1694.

Apollo Anglicanus,

THE

ENGLISH APOLLO:

Assisting

All Persons in the Right Understanding of this Years Revolution, as also of things past, present, and to come.

With necessary Tables plain and useful.

A twofold Kalendar, *viz. Julian* or *English*, *Gregorian* or *Forain* Computations, more plain and full than any other, with the Rising and Setting of the Sun, the nightly Rising and Setting of the Moon, and also her Southing, Exactly calculated for every day. Of general use for most men.

Being the Second after *Bissextile* or *Leap-Ye.*

To which is added the Moons application to the fixed Stars: With the Calculation of the Eclipses: also Rules and Tables for the measuring of Timber: with many other things both pleasant, useful and necessary.

Calculated according to Art, and fitted to the Meridian of *Leicester*, whose Latitude is 52 Degrees, 41 Minutes. Exactly fitting all the middle Counties of *England*, and without sensible Error the whole Kingdom.

By RICHARD SAUNDER,

Student in the Physical and Mathematical Sciences.

LONDON: Printed by M. CLARK, for the Company of STATIONERS. 1694.

The *Julian* or old Account used in *Engl.* { 1694. } The *Gregorian* or New Stile used beyond Sea.

	4	The Golden Number.		4
	G	The Dominical Letter		C
	14	The Epact.		4
February	18	Shrove-Sunday	February	21
May	17	Aſcenſion-Day.	May	20
May	27	Whit-Sunday.	May	30
December	2	Advent-Sunday.	November	28

A Table of the four Terms, and their P[illegible]

Hilary-Term begins *January* 23. ends *February* [illegible]

Eſſoin-days.		*Except.*	*Ret. Brev.*	*Appear.*	
Octab. Hillar. Jan.	20	January 22	Jan. 12	Jan.	23
Quind. Hillar. Jan.	27	January 29	Jan. 19	Jan.	30
Craſtin. Purif. Feb.	3	February 3	Febr. 5	Febr.	6
Octab. Purif. Feb.	9	February 10	Febr. 10	Febr.	12

Eaſter Term begins *April* 3. ends *May* 22.

Quind. Paſch. April	23	April 24	April 25	May	3
Tres Paſch. April	30	May 1	May 2	May	10
Menſ. Paſch. May	7	May 8	May 9	May	17
Quinq. Paſch. May	14	May 15	May 16	May	24
Craſt. Aſcenſ. May	17	May 19	May 21	May	29

Trinity Term begins *June* 8. ends *June* 27.

Craſt. Trin. June	4	June 5	June 6	June	8
Octab. Trin. June	11	June 12	June 12	June	13
Quind. Trin. June	18	June 19	June 19	June	20
Tres Trin. June	25	July 26	July 26	July	27

Michaelmas Term begins *Octob.* 23. ends *Novemb.* 28.

Tres Mich. Octob.	20	Octob. 22	Octob. 23	October	25
Menſ. Mich. Octob.	27	Octob. 29	Octob. 29	October	30
Craſt. Anim. Nov.	3	Novemb. 5	Novemb. 5	Novemb.	6
Craſt. Mart. Nov.	12	Novemb. 13	Novemb. 13	Novemb.	15
Octab. Mart. Nov.	19	Novemb. 20	Novemb. 20	Novemb.	21
Quind. Mart. Nov.	26	Novemb. 27	Novemb. 27	Novemb.	28

A Table of the KINGS and QUEENS of England since the Conquest.

Kings and Queens names.	Born Anno	Began to reign.	Reigned Y.	Reigned M	Since their Reigns ended.	Buried at
William 1	1029	1066, Oct. 14	20	11	607, Septem. 9	Caen No.
William 2	1056	1087, Sep. 9	12	11	594, August 2	Winchef.
Henry 1	1068	1100, Aug. 2	35	4	559, Decem. 1	Reding
Stephen	1105	1135, Dec. 1	18	11	540, Octob. 12	Feversh.
The Saxon Line restor'd.						
Henry 2	1132	1154, Oct. 12	35	9	505, July 6	Fountever
Richard 1	1155	1189, July 6	9	9	495, April 6	Fountever
John	1165	1199, April 6	17	6	478, Octob. 19	Worcester
Henry 3	1207	1216, Oct. 19	56	1	422, Nov. 16	Weſtmin.
Edward 1	1239	1272, No. 16	34	8	387, July 7	Weſtmin.
Edward 2	1283	1307, July 7	19	6	368, Jan. 25	Glocester.
Edward 3	1312	1326, Jan. 25	51	5	317, June 21	Weſtmin.
Richard 2	1366	1377, Jun. 21	22	3	295, Sept. 29	Weſtmin.
The Line of Lancaſter.						
Henry 4	1367	1399, Sep. 29	13	6	281, Mar. 20	Canterb.
Henry 5	1386	1412, Mar. 20	9	5	272, Aug. 31	Weſtmin.
Henry 6	1421	1422, Aug. 31	38	6	234 Mar. 4	Windſor
The Line of York.						
Edward 4	1442	1460, Mar. 4	23	1	211, April 9	Winchest.
Edward 5	1471	1483, Apr. 9	0	1	211, June 16	Not kno.
Richard 3	1448	1483, Jun. 18	2	2	209, Aug. 22	Leiceſt.
The Families United.						
Henry 7	1455	1485, Aug. 22	23	8	185, April 22	Weſtmin.
Henry 8	1491	1509, Apr. 22	37	10	147, Jan. 28	Windſor
Edward 6	1537	1547, Jan. 28	6	5	141, Jun. 6	Weſtmin.
Qu. Mary	1513	1553, Jun. 6	5	4	136, Nov. 17	Weſtmin.
Qu. Elizab.	1533	1558, No. 17	44	4	91, March 24	Weſtmin.
The Union of the two Kingdoms.						
James 1	1566	1602, Ma. 24	22	0	69, March 27	Weſtmin.
Charles 1	1600	1625, Ma. 27	23	11	45, Janu. 30	Windſor
Charles 2	1630	1648, Jan. 30	36	0	9, Februar. 6	Weſtmin.
James 2	1633	1684, Feb. 6	4	0	5	
William & Mary	1650 / 1662	1688, Feb. 13	Whom God grant long to live.			

You here may ſee a Race of Monarchs great,
Each for a time did fill the Royal Seat,
Then left the Throne: You ſee it fill'd again;
Pray God that theſe long time o'er us may reign;
Their Subjects multiply, their Foes decreaſe,
Their Kingdoms have Proſperity and Peace. *Omnis poteſtas à Deo eſt.*

A Table shewing the true hour and minute of the Moons coming to the South every day the first six Months of this Year, 1694.

Days	Jan.		Febr.		March		April		May		June	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	12	25	0M.	44	12	16	0M.	47	1M.	37	3M.	20
2	0M.	25	1	32	0M.	16	1	48	2	42	4	14
3	1	14	2	20	1	8	2	48	3	41	5	4
4	2	3	3	8	2	0	3	48	4	38	5	51
5	2	52	3	58	2	56	4	47	5	32	6	35
6	3	40	4	52	3	53	5	43	6	24	7	18
7	4	28	5	46	4	50	6	38	7	11	8	0
8	5	15	6	42	5	47	7	31	7	56	8	42
9	6	6	7	38	6	44	8	21	8	40	9	28
10	7	0	8	34	7	40	9	8	9	24	10	16
11	7	56	9	30	8	36	9	53	10	8	11	4
12	8	56	10	20	9	28	10	36	10	52	11	52
13	9	57	11	25	10	16	11	20	11	36	12	40
14	10	57	12	18	11	4	12	4	12	20	1A.	27
15	11	58	1A.	6	11	50	12	48	1A.	8	2	15
16	12A.	52	1	48	12	35	1A.	36	1	58	3	2
17	1	40	2	32	1A.	20	2	25	2	47	3	50
18	2	26	3	16	2	4	3	14	3	36	4	35
19	3	10	4	0	2	47	4	4	4	24	5	20
20	3	54	4	45	3	35	4	52	5	11	6	4
21	4	36	5	32	4	24	5	40	5	58	6	56
22	5	19	6	21	5	14	6	29	6	46	7	52
23	6	3	7	10	6	4	7	18	7	35	8	50
24	6	48	8	3	6	54	8	8	8	24	9	52
25	7	36	8	55	7	44	8	58	9	20	10	56
26	8	26	9	46	8	34	9	50	10	18	12	0
27	9	17	10	36	9	24	10	43	11	18	0	0
28	10	9	11	26	10	14	11	38	12	18	1M.	0
29	11	2			11	5	12	34	0M.	18	1	56
30	11	53			11	56	0M.	34	1	20	2	50
31	12	44			12	47			2	22		

The

The Moons Southing for every day of the last Six Months of this Year 1694.

Days.	July		August		Septemb.		October		Novemb.		Decemb.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	3	M.40	4	M.28	5	M.36	6	M. 7	7	M. 8	7	M.14
2	4	26	5	14	6	24	6	54	7	56	8	0
3	5	9	6	0	7	12	7	42	8	44	8	50
4	5	52	6	48	8	0	8	30	9	34	9	45
5	6	36	7	36	8	52	9	18	10	26	10	46
6	7	20	8	26	9	44	10	6	11	20	11	49
7	8	6	9	16	10	32	10	54	12	16	12	52
8	8	52	10	4	11	20	11	44	1	A.17	1	A.52
9	9	40	10	52	12	8	12	38	2	19	2	50
10	10	30	11	40	12	58	1	A.36	3	22	3	48
11	11	20	12	30	1	A.50	2	35	4	22	4	40
12	12	9	1	A.18	2	46	3	34	5	18	5	28
13	12	58	2	6	3	42	4	34	6	8	6	12
14	1	A.47	2	55	4	38	5	33	6	56	6	55
15	2	34	3	44	5	36	6	32	7	41	7	38
16	3	18	4	36	6	33	7	24	8	26	8	24
17	4	2	5	30	7	30	8	13	9	9	9	10
18	4	50	6	29	8	26	8	2	9	52	9	56
19	5	40	7	28	9	20	9	48	10	36	10	45
20	6	32	8	28	10	12	10	34	11	22	11	34
21	7	30	9	27	11	0	11	18	12	8	12	22
22	8	30	10	26	11	46	12	2	0	8	0	M.22
23	9	32	11	20	12	32	0	M. 2	0	M.56	1	7
24	10	34	12	10	0	M.32	0	50	1	46	1	52
25	11	34	0	M.10	1	18	1	38	2	36	2	37
26	12	33	0	58	2	4	2	26	3	26	3	22
27	0	M.33	1	45	2	52	3	14	4	12	4	7
28	1	28	2	30	3	41	4	2	4	56	4	52
29	2	16	3	14	4	30	4	50	5	42	5	38
30	3	0	4	0	5	18	5	36	6	28	6	26
31	3	44	4	48			6	22			7	15

To find the time of High-water in moſt Coaſts of England.

FIrſt ſeek the Moons Southing on the foregoing Table for your day, for then you may conclude it High-water at *Southampton*, *Quinborough*, and *Portſmouth*, for there the South and North Moons make a High-water: But when you deſire the time of full Sea in any of the following Coaſts in the enſuing Table, find the name of the place, and ſee how many Hours and Minutes be annexed thereunto in the Column under H. M. which added to the time of the Moons coming to South, gives you the time of High-water for the place required.

A Tide-Table, with the Names of the Havens.

	H.	M.
Rochester, *Malden*, *Aberdeen*,	0	45
Gravesend, *Romney*, *Rumkins*,	1	30
London, *Tinmouth*, *Hartlepool*,	3	0
Frith, *Leith*, *Dunbar*, *Narbon*,	4	30
Newcastle, *Falmouth*, *Humber*,	5	15
Lyn, *Antwerp*, *Plymouth*, *Hull*,	6	0
Briſtol, *Lanion*, *Foulneſs*,	6	45
Milford, *Bridgwater*, *North-coaſt*,	7	30
Portland, *Peterport*, *Hartſtew*,	8	51
Dover, *Yarmouth*, *Harwich*, *Dublin*,	10	30
Calice, *Rye*, *Winchelſey*, *Calſhot*,	11	15

Example.

The 17. of *Sept.* this Year it is required to know the time of High-water at *London*: By the Tab. of the Moons Southing, over againſt the 17. of *Sept.* I find the Moon South at 7 Hours 30 Minutes in the Afternoon. Then in the preceding Tide-Table againſt *London*, I find 3 Hours 0 Minutes, which added to 7 Hours 30 Minutes, makes 10 Hours 30 Minutes, being the time of High-water at *London* the 17. day of *Sept.* in the Afternoon. So of any other.

NOTE, That the Tide floweth one point of the Compaſs more at the New and Full of the Moon, than at the Firſt and Laſt Quarters: as alſo the Latitude of the Moon and Winds, may alter it an hour ſooner or later.

Directions for the ſubſequent Diary or Almanack.

IN the firſt Column to the left hand, on the left-hand Page, you have the Numerical Figures of the days of the Month.

In the ſecond Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as alſo the Moons application to the fixed Stars, by which the Aſteriſms and Conſtellations may be eaſily known to an ingenious eye and underſtanding.

In the fourth Column the Moons place in the Zodiack every day at noon.

In the fifth Column the Riſing and Setting of the Moon, with reſpect to her Latitude.

In the ſixth Column the Mutual Aſpects of the Planets, with the general ſtate of the Weather.

In the firſt Column on the Right-hand Page you have the Engliſh Account.

In the ſecond Column you have the Roman Account.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have Poetical Stories of the fixed Stars and Conſtellations, ſhewing the reaſon why ſuch various Figures are fancied to be placed in Heaven.

The ſixth, ſeventh, and eighth Columns, the utmoſt to the Right hand, ſhew you the daily Riſing and Setting of the Sun.

On the top of the left hand Page is ſet the New and Full Moons, with the Firſt and Laſt Quarters.

On the top of the right hand Page is ſet the Riſing, Southing and Setting of the Planets.

January hath xxxi. days.

● Full Moon the 1 day, at No n.
☾ Last quarter the 8 day, at 7 at night.
● New Moon the 15 day at 1 in the afternoon.
☽ First quarter the 23 day, at 5 in the morning.
● Full Moon the 31 day, 40 min. past 3 in the Morning.

1	a	New-years day	canc. 22	Full ●			Fair and frosty
2	b	☽ n. Aestilus	leo 5	5 A 2			at the beginning
3	c	☽ n. Cor leonis	leo 18	6 46			✱ ♀ ☿. But a-
4	d	☾ n. luc. T. Leo.	virg. 1	8 8			bout the 5. day
5	e	☽ n. Caud. Le.	virgo 14	9 30			yielding; with
6	f	Epiphany	virgo 28	10 50			drissing rain or
7	G	1 Sun. past Eph	libr. 11	12 6			mists, ☍ ☉ ♂.
8	a	☽ n. Spic. Virg.	libr. 25	0 M: 6			afterwa. uncon-
9	b	Sol in Aquarius	scorp. 9	1 24			stant for some
10	c	☽ n. S. in p. Scor.	scorp. 23	2 42			days, with winds
11	d	☽ n. Cor. Scorp.	sagit. 8	4 0			△ ♃ ♀ and rain
12	e	☽ n. Dex. h. Op.	sagit. 22	5 15			otherwhiles. But
13	f	Hillary	capr. 7	6 8			about this time
14	G	2 Sun. past Eph	capr. 21	7 00			some blackfrosts
15	a	♄ ♐ 29	aqua. 6	New ●			are expected; &
16	b	♃ ♋ 17	aqua. 20	6 A. 2			about the new
17	c	♂ ♋ 24 R	pisces 3	7 18			Moon △ ♂ ♀
18	d	♀ ♓ 26	pisc. 16	8 36			misty and foggy.
19	e	☿ ♑ 15	pisc. 29	9 54			But the latter
20	f	☊ ♑ 12	aries 11	11 10			half of the mont.
21	G	3 Sun. past Epip.	aries 24	12 18			produc. windy,
22	a	☽ n. luc. c. ari.	taur. 6	0 M. 18			☍ ♃ ☿ stormy,
23	b	Term begins	taur. 17	1 24			□ ♄ ♀ turbu-
24	c	☽ n. Pleiades	taur. 29	2 28			lent weath. with
25	d	Convers. S. Pau	gem. 11	3 3			cold rain or sno.
26	e	☽ n. Au. cor. ta.	gem. 2	4 20			☍ ♂ ☿ is ex-
27	f	☽ n. luc P. Gen.	canc. 5	5 4			pected for the
28	G	4 Sun. past Epip.	canc. 18	5 40			most part, with
29	a	☽ n. Astellius	leo 0	6 12			some mitigation
30	b	K. Cha. I Mart.	leo 13	6 42			abo. this time; at
31	c	☽ n. Cor leonis	leo 27	Full ●			the end hi. wind

Moons Rising. — Moons Setting.

Saturn at the beginning rises about 6 in the morning at the end he rises before 5.
Jupiter at the beginning is South at midnight, at the end before 10 at night.
Mars at the beginning is South near midnight.
Venus sets about 9 at night.
Mercury rises a little before the Sun.

English Accom.	Fesel. Accompt.	Rom. Kalenda.	Rom. Sts. Days		
1	1	D	Hyginus	*The Interpretation of several antient Stories of the Stars and Constellations, &c. continued.*	
2	2	e	Satyrius		
	3	f	Hillarius		
4	4	g	Felix		
5	5	a	Maurus		
6	6	b	Marcellus	IN my last mention is made of the Gyants warring with *Jupiter*. Of these Giants *Typhon* is one, of whom the Poets say thus; *Juno* being vex'd that *Jupiter* had begotten *Pallas* by himself, without her, earnestly pressed all the other Gods & Godesses that she might also bring forth of herself, without him; and having by violence, and importunity, obtained a Grant thereof, she smote the Earth, and forthwith there sprang up *Typhon*, a huge and horid monster. This strange Birth she commits to a Serpent (as a Foster Father) to nourish it, who no sooner came to ripeness of years, but he provokes *Jupiter* to Battle. In the Conflict, the Giant	
7	7	C	2 past Epip.		
8	8	d	Pontian		
9	9	e	Fab. Seb.		
10	10	f	Edward		
11	11	g	Agnes		
12	12	a	Vincent		
13	13	b	Emerent.		
14	14	C	3 past Epip.		
15	15	d	*Conv. S. P.*		
16	16	e	Policarp		
17	17	f	Chrysostom.		
18	18	g	Car. Mag.		
19	19	a	Valerius		
20	20	b	Adelgund		
21	21	C	4 past Epiph		
22	Febr. 1	d	Bridget		
23	2	e	Purif. Mary		
24	3	f	Blase		
25	4	g	Gilbert		
26	5	a	Agatha		
27	6	b	Dorothy		
28	7	C	Septuages.		
29	8	d	Wil. B.Y.		
30	9	e	Apollon.		
31	10	f	Scholastica		

1	8	7	3	53	1	8	7	3	53
2		5		55	2		5		55
3		4		56	3		4		56
4		2		58	4		2		58
5		1		59	5		1		59
6	7	59	3	1	6	7	59	3	1
7		58	4	2	7		58	4	2
8		57		3	8		57		3
9		55		5	9		55		5
10		53		7	10		53		7
11		52		8	11		52		8
12		50		10	12		50		10
13		49		11	13		49		11
14	7	47	4	13	14	7	47	4	13
15		46		14	15		46		14
16		44		16	16		44		16
17		43		17	17		43		17
18		41		19	18		41		19
19		39		21	19		39		21
20	7	38	4	22	20	7	38	4	22
21		36		24	21		36		24
22		34		26	22		34		26
23		33		27	23		33		27
24		31		29	24		31		29
25	7	29	4	31	25	7	29	4	31
26		27		33	26		27		33
27		25		35	27		25		35
28		23		37	28		23		37
29		21		39	29		21		39
30		19		41	30		19		41
31	7	17	4	43	31	7	17	4	43

February hath xxviii. days.

☽ Last quarter the 7 day at 3 in the morning.
● New Moon the 14 day, 30 min. past 2 in the morn.
☽ First quarter the 22 day, at 3 in the morning.

Mon. Day.	Week Da.	Festival & Saints days, with the ☽s application to the noted fix'd stars.	The ☽s place in zodiack at Noon			The ☽s rising fro. the fall to the change, & setting tr. the cha. to the F.	The mutu. As. of the Plan. with the var. const. of air & cha. of wea.
1	♄	☽ n. Cau. leonis	virg.	10	7	A. 6	windy weather
2	☉	Purificat. Mary	virg.	24	8	28	at the beginning,
3	☾	☽ n. Cing. Virg.	libra	8	9	52	afterw. fair and
4	♋	Septuagesima	libra	22	11	12	frosty for some
5	♃	☽ n. laux. Aust.	scorp.	6	12	32	days; and about
6	♄	☽ n. sup. in P. ♏	scorp.	20	0	M. 32	the 6th. or 7th.
7	☾	☽ n. Cor. Scorp.	sagit.	4	1	50	□ ♃ ♀ sharp
8	♀	Sol in pisces	sagit.	18	3	2	winds, with stor.
9	☉	♄ ♑ 1 00	capri.	2	4	00	✶ ♀ ♄ of snow
10	☾	♃ ♋ 15	capri.	16	4	45	or sleet, are
11	♋	Sexagesima	aqua.	0	5	27	□ ♂ ♄ expecte.
12	♃	Term ends	aqua.	14	5	7	afterwards close
13	♄	♂ ♋ 19 St	aqua.	28	5	4[illegible]	misty and foggy
14	☾	Valentine	pisc.	11	New	●	weather, with
15	♄	♀ ♈ 21	pisc.	24	7	A. 36	✶ ♀ ☿ cold dri-
16	☉	☿ ♒ 23	aries	7	8	44	sling rain for
17	☾	☊ ♑ 1[illegible]	aries	19	9	52	some days; abo.
18	♀	Quinquagesima	taur.	1	11	0	this time some
19	♃	☽ n. Manker	taur.	1[illegible]	12	12	cold northerly
20	♄	Shrove-Tuesday	taur.	25	0	M. 12	winds, with
21	☾	Ash-Wednesday	gem.	7	1	12	△ ☉ ♃ black
22	♄	☽ n. Cap. Orio	gem.	19	2	0	✶ ♄ ☿ frosts are
23	☉	☽ n. luc. Ped. Ge.	canc.	1	2	52	expected: and
24	☾	S. Matthias	canc.	13	3	46	the end, 'tis hop-
25	♋	Quadragesima	canc.	26	4	18	ed, may produce
26	♃	☽ n. Asell os	leo	9	4	45	temperate wea-
27	♄	☽ n. Cor. leon.	leo	2[illegible]	5	9	ther △ ☉ ♂ for
28	☾	Ember-Week	virgo	6	5	3[illegible]	the △ ♃ ♀ sea-
							son.

Moons Rising.

Moons Setting.

FEBRUARY, 1694.

Saturn riseth about 4 in the morning.
Jupiter is South about 9 at night, and sets about 4 in the morning.
Mars is near to Jupiter.
Venus sets about 10 at night.
Mercury rises before the Sun.

English Accompt.	Forein Accompt.	Roman Kalendar.	Roman Saints days	*Fertæ statæ Poetical Stories interpreted. & concept.*		M.D.	☉	☉	
1	11	g	Euphrod.	getting the upper hand,	1	7	16	4	44
2	12	a	Severin	takes ♃ upon his should.	2		14		46
3	13	b	Agabus	carries him into a remote	3		12		48
4	14	☾	Sexagesim.	and obscure Country, &	4		10		50
5	15	d	Faustin	cutting out the Sinews of	5		8		52
6	16	e	Juliana	his hands & feet, brought	6		6		54
7	17	f	Constance	them away, and so left	7		4		56
8	18	g	Sabina	him miserably mangled	8	7	2	4	58
9	19	a	Roman	and maimed: But *Mercury*	9	7	0	5	0
10	20	b	Eucharist	recovering these Nerves	10	6	58	5	2
11	21	☾	Quinquag.	from *Typhon*, by stealth,	11		56		4
12	22	d	Peters Ch.	restored them again to	12		54		6
13	23	e	Policarp.	*Jupiter*. *Jupiter* being a-	13		52		8
14	24	f	S. Matthias	gain, by this means, cor-	14		49		11
15	25	g	Jur. Paul	roborated, assaults the	15		47		13
16	26	a	Simeon	monster afresh, & at the	16		45		15
17	27	b	Augustine	first strikes him with a	17	6	43	5	17
18	28	☾	Quad ages.	thunder-bolt; from whose	18		41		19
19	Mar.		David	blood serpents engendred	19		39		21
20	2	e	Chad	He at length fainting, and	20		37		23
21	3	f	Mauri e	flying, *Jupit.* casts on him	21		35		25
22	4	g	Adrianus	the mount *Ætna*, & with	22		33		27
23	5	a	Eusebius	the weight thereof crush'd	23		31		29
24	6	b	Frederick	him. *The Interpretation fol-*	24		29		31
25	7	☾	Reminiscer.	*lows*: *Typhon* was Brother	25	6	26		34
26	8	d	Cyprian	to *Osiris* K. of *Egypt*, who	26		24		36
27	9	e	Prudence	having kill'd the King, in-	27		22		38
28	10	f	Micæas	vaded the Kingdom; but	28		20		40
				was overthrown by *Isis*.					

☽ Full Moon the 1 day, at 4 in the Afternoon.
● Laſt quarter the 8 day, at 11 in the morning.
● New Moon the 15 day, at 6 in the Aftern.
☽ Firſt quarter the 23 day, at 8 night.
● Full Moon the 31 day, at 2 in the morning.

1	d	Dav.	virg.	19	Full ●			Sharp froſty air at the beginning ☌ ♂ ☿ is expect. and about the 5. or 6th days briſk winds ♂ ☉ ☿ & right *March* weat. with ſtorms of □ ♄ ☿ hail; & about the 12. or 13. ſome □ ☉ ♄ cold drill. rain; & about the new □ ♃ ☿ Moon hi. wind, and bluſtering weather; which is follow'd with ſhowers of rain. □ ♂ ☿. Alſo about the firſt quarter expect ♂ ☿ ☿ ſome windy and ſtormy □ ☉ ♆ weather △ ♄ ☿, yet generall ſeaſonab. and at the □ ♂ ☿ end cloudy, with cold driſling Rain.
2	e	Chad	libr.	4	7	A. 3		
3	f	D. n. Spic. Virg.	libra	18	8	52		
4	g	2 Sund. in Lent	ſcorp.	2	♏ 10	14		
5	a	☽ n. Laux. Bor.	ſcorp.	17	11	36		
6	b	☽ n. Cor. Scorp.	ſagit.	1	12	56		
7	c	☽ n. dex. ge. Op.	ſagit.	15	♑ 0 M.	56		
8	d	☽ n. luc. Lyræ	ſagit.	29	1	56		
9	e	☽ n. cau. Vultur.	capri.	13	2	50		
10	f	☉ in Aries	capr.	27	3	28		
11	g	3 Sund. in Lent	aqua.	10	3	58		
12	a	♄ ♍ 3	aqua.	23	4	24		
13	b	♃ ♋ 15	piſces	7	4	44		
14	c	♂ ♋ 22	piſce.	20	5	00		
15	d	☿ ♉ 2 R	aries	3	New ●	1		
16	e	☿ ♈ 17	aries	15	7	A. 56		
17	f	♌ ♍ 17	aries	27	9	00		
18	g	Middlent-Sunday	taur.	10	10	10		
19	a	☽ n Pleiades	taur.	22	11	18		
20	b	☽ n. Aldebaran	gem.	3	12	18		
21	c		gem.	15	♋ 0 M.	18		
22	d	☽ n. dex. hu. Au.	gem.	27	1	4		
23	e	☽ n. luc. P. gem.	canc.	9	1	48		
24	f	☽ n. Pollux	canc.	21	2	24		
25	g	Annunt. B. Mar.	leo	4	2	54		
26	a	☽ n. Au. C. leo.	leo	17	3	20		
27	b	☽ n. cor leonis	leo	29	3	40		
28	c	☽ n. Cau. leonis	virg.	13	4	0		
29	d	☽ n. Vindemiat	virgo	27	4	18		
30	e	☽ n. Spic. Vir.	libra	12	4	35		
31	f	☽ n. laux Auſt.	libra	27	Full ●			

Moons Riſing. Moons Seting.

Saturn rises betwixt 2 and three in the morning.
Jupiter sets about 2 in the morning.
Mars sets a little after him.
Venus sets about 9 at night.
Mercury at the beginning is Combust; at the end he sets after the Sun, and may be seen.

English Accom.	Fore in Accom.	Rom. Kalendar.	Rom. Sts. Days.							
1	11	g	Cunibert	This Man, because of his	1	6	18	5	42
2	12	a	Gregorius	Cruelty, was said to be	2		16		44
3	13	b	Nestus	Nursed by a Dragon; and	3		14		46
4	14	c	Oculi	surely bloody Tyrants are	4		12		48
5	15	d	Longinus	no better than the Foster	5		10		50
6	16	e	Cyriacus	Children of Dragons, and	6		8		52
7	17	f	Gertrude	the Sons of Earth, and of	7		6		54
8	18	g	Gabriel	the Race of Giants, and	8		4		56
9	19	a	Joseph	scourges or plagues sent	9	6	2	5	58
10	20	b	Rupert	by God to punish a People;	10	6	0	6	0
11	21	c	Lætare	as they say *Typhon* was.	11	5	58	6	2
12	22	d	Paulinus	By *Typhon* also may be	12		56		4
13	23	e	Godfridus	meant subterranean Ex-	13		54		6
14	24	f	Quirinus	halations, or Vapors, cau-	14		52		8
15	25	g	An. B. V. M.	sing Earthquakes, and	15		50		10
16	26	a	Castulus	sometimes eruptions of	16		48		12
17	27	b	Jo. Erem.	Fire, Ashes, Stones, and	17		46		14
18	28	c	Judica	Pestilential Smoak, flying	18	5	44		16
19	29	d	Eustace	up high in the Air, as if	19		42		18
20	30	e	Guido	they meant to pull *Jupiter*	20		40	6	20
21	31	f	Balbina	out of his Throne. These	21		38		22
22	April	g	Theodore	are said to be the Sons of	22		36		24
23	1	a	Mary Egyp.	*Titan*, and of the Earth,	23		34		26
24	2	b	Christian	because they are begot by	24	5	32		28
25	3	c	Palm Sun.	the heat and influence of	25		30		30
26	4	d	Vincent	the Sun, in the hollow or	26		27	6	33
27	5	e	Sixtus	spungy places of the earth.	27		25		35
28	6	f	Celestin	This Fable seems rather	28		23		37
29	7	g	Dionysius	to point at the variable	29		21		39
30	8	a	Albinus	Fortune of Princes, and	30		18		42
31	9	b	Ezechiel	the Rebellious Insurrecti-	31		16		44

☾ Laſt quarter the 6 day, at 7 at night.
● New Moon the 14 day, at 10 in the morn.
☽ Firſt quarter the 22 day, at 1 in the afternoon.
● Full Moon the 29 day, at 10 in the morning.

1	♄	Palm Sunday	ſcorp.	12	9	A.	28	At the beginning
2	a	☽ n. ſup. pont. ♏	ſcorp.	27	10		48	windy weather,
3	b	☽ n. cor Scorp.	ſagit.	11	12		6	♂ ☉ ☿ with ſho.
4	c	☽ n. fin. man. ♐	ſagit.	26	0	M.	8	may be expect.
5	d	☽ n. luc. Ly.	capr.	10	1		4	and right *April*
6	e	☽ n. Cor leonis	capri.	23	1		48	weath. alſo about
7	f	☽ n. luc. in m. ♒	aqua.	7	2		14	the 8th or 9th d.
8	g	Eaſter day	aqua.	21	2		34	plenty of ſhow.
9	a	☉ in Taurus	piſce.	3	2		52	followed with
10	b	♄ ♍ ☿ ℞.	piſc.	16	3		10	brisk □ ☉ ♂
11	c	☿ ♋ 17	pi c.	29	3		28	gales △ ☉ ♄ of
12	d	♂ ♌ 2	aries	11	3		46	wind about this
13	e	♀ ♈ 19 ℞	aries	24	4		2	time, □ ☿ ♀.
14	f	♀ ♉ 15 R.	taur.	6	New			with ſhow. about
15	g	Low Sunday	taur.	18	9	A.	10	the new Moon al-
16	a	♌ ♍ 7	gem.	0	10		10	ſo: & plenty of
17	b	☽ n. Aldeba.	gem.	12	11		4	ſhowers in the
18	c	☽ n. Au. C. Ta.	gem.	23	11		56	month. Yet aft.
19	d	☽ n. lu Ped. Ge.	canc.	5	12		36	the firſt Quarter
20	e	☽ Pollux Here.	canc.	17	0	M.	36	ſome ♂ ☉ ♀ fair
21	f	☽ n. Alellos	canc.	29	1		26	& calme weather
22	g	♄ Sun. paſt Eaſt.	leo	11	1		28	□ ♂ ♀ is ex-
23	a	St. George	leo	25	1		46	pected; but the
24	b	☽ n. luc. r. Leo.	virg.	8	2		4	
25	c	St. Mark	virgo	22	2		22	Term begins
26	d	☽ n. Vindemiat.	libr.	6	2		40	
27	e	☽ n. Spic. Virg.	libr.	20	2		58	end of the mont.
28	f	☽ n. lau. Auſtr.	ſcor.	5	3		1	produceth both
29	g	♄ Sun. paſt Eaſt.	ſcorp.	20	Full			wind and ✱ ☉ ☿
30	a	☽ n. Cor ſcorp.	ſagit.	6	3	A.	48	rain.

Moons Rising. 1 Moons Setting.

Saturn rises about 1 in the morning at the beginning, at the end he rises about midnight.
Jupiter Sets about 1 in the morning.
Mars sets betwixt 1 and 2 in the morning.
Venus at the beginning is Combust, at the end she rises before the Sun.
Mercury is Combust.

English Accom.	Forein. Accom.	Rom. Kalendar	Rom. St. days.						
1	11	C	Pascha	ons of Traitors in a state.		5	14	6	46
2	12	D	July Bish	For Princes may well be		2	12	6	48
3	13	E	Justinus	said to be Married to their		3	10		50
4	14	F	Tiburtius	Dominions, as *Jupiter* was		4	8		52
5	15	G	Olympia	to *Juno*; but it sometimes		5	6		54
6	16	a	Carifius	happens, that being de-		6	4		56
7	17	b	Anicetus	bauch'd by the long Cu-		7	2	6	58
8	18	C	Quasimod.	stom of Empiring, and		8	0	7	0
9	19	D	Alphage	bending tow. Tyranny,		9	4	58	7	2
10	20	E	Ananias	they endeavour to draw		10		56		4
11	21	F	Adelarius	all to themselves, & (con-		11		54		6
12	22	G	Emanuel	temning the Counsel of		12		52		8
13	23	a	S. George	their Nobles & Senators)		13		50		10
14	24	b	Albertus	hatch Laws in their own		14		48		12
15	25	C	S. Mark	Brain, that is, dispose of		15	4	46	7	14
16	26	D	Cletus	Things by their own fan-		16		44		16
17	27	E	Anastasius	cy, and absolute Power.		17		42		18
18	28	F	Vitalis	The People (repining at		18		41		19
19	29	G	Sybilla	this) study how to create		19		39		21
20	30	a	Josua	and set up a Chief of their		20		37		23
21	May	b	S. Phil. & Ja	own choice. This Pro-		21		36		24
22	2	C	Jubilate	ject, by the secret Insti-		22		34		26
23	3	D	Inv. Crucis	gation of Peers & Nobles,		23		33		27
24	4	E	Florian	doth for the most part		24	4	31	7	29
25	5	F	Gothard	take his beginning; by		25		30		30
26	6	G	Jo. à Port	whose connivance the		26		28		32
27	7	a	Juvenal	Commons bei. set on edg,		27		26		34
28	8	b	Stanislaus	there follows a kind of		28		25		35
29	9	C	Cantate	murmuring, or discont. in		29		23		37
30	10	D	Pancratius	the State; shadowed by		30	4	21		39
				the Infancy of *Typhon*						

Laſt quarter the 6 day, at 4 in the Morning.
New Moon the 14 day, 45 min. paſt 2 in the Morn.
Firſt quarter the 22 day, at 2 in the morning.
Full Moon the 28 day, 30 m. paſt 5 in the Afterr.

1	b	S. Phil. & Jac.	ſagit. 21	10	A. 50	Moons Riſing.	The beginning produceth now and then ſome ſhowers, till after the 6. d. then it's expected that we may have fair and hot weather for ſome days, and generally good ſeaſonable weather, and probably about the new Moon ☐ ☿ ☌. Some ſhowers of rain, afterwards ſome briſk winds with very ſeaſonable weather, with an increaſe of heat, and ſome driſling rain; & about the 27 th d. ☐ ♂ ☌. ✶ ♅ ☌. △ ♄ ☌. windy and ſhowry weather, which may ſo continue to the end of the month
2	c	D. n. ult. cap. ♐	capr. 5	11	48		
3	d	D. n. luc. vult.	capr. 20	12	30		
4	e	☽ n. luc. man ♒	aqua. 4	0	M. 30		
5	f	☽ n. fin. hum. ♒	aqua. 17	0	52		
6	g	☀ Sun. paſt Eaſt.	piſces 0	1	8		
7	a	☽ n. Marchab.	piſc. 13	1	24		
8	b	D. n. Cau. cet. B.	piſc. 26	1	37		
9	c	D. n. Algenib, Sol in Gemini	aries 8	1	54		
10	d		aries 20	2	12		
11	e	☽ n. luc. cap. ♈	taur. 3	2	30		
12	f	☽ n. Cap. Med.	taur. 15	2	50		
13	g	☀ Sun. paſt Eaſt.	taur. 27	3	12		
14	a	D. n. Aldebaran	gem. 8	New	☾		
15	b	D. n. Alhaiot	gem. 20	9	A. 45		
16	c	☽ n. luc. p. Ge. Aſcenſio Dom.	canc. 2	10	28		
17	d		canc. 14	11	6		
18	e	♄ ♍ 2 R	canc. 26	11	30		
19	f	☿ ♋ 23	leo 8	11	52		
20	g	☀ Sun. paſt Eaſt	leo 21	12	10		
21	a	Term ends	virg. 3	0	M. 10		
22	b	♂ ♌ 22	virg. 16	0	26		
23	c	☿ ♈ 28 D	virg. 29	0	43		
24	d	☿ ♉ 20 D.	libra 14	1	2		
25	e	♌ ♍ 5	libra 29	1	24		
26	f	D. n. laux. Auſt.	ſcorp. 14	1	48		
27	g	Whitſunday	ſcorp. 29	2	18		
28	a	D. n. dex. gu. Op. K. Cha. II. N. R.	ſagit. 14	Full	☽		
29	b	Ember Week	ſagit. 29	9	A. 24		
30	c		capri. 14	10	10		
31	d	☽ n. auſt. Cor. ♍	capr. 29	10	45	☾ Riſing.	

Saturn *at the beginning rises betwixt* 11 *and* 12, *at the end he rises between* 9 *and* 10 *at Night.*
Jupiter *sets between* 11 *and* 12 *at Night.*
Mars *sets about Midnight.*
Venus *rises between* 2 *and* 3 *in the Morning.*
Mercury *rises a little before the Sun,*

English Account.	Forein Account.	Rom. Kalendar.	Rom. Saints days								
1	11	e	Christian	which being nurſed by the	1	4	19	7	41
2	12	f	Gordian.	Natural pravity, and Clown-	2		17		43
3	13	g	Servatius	iſh malignity of the Vulgar	3		16		44
4	14	a	Fortuna	ſort (as infeſtuous to Princes,	4		14		46
5	15	b	Sophia	as Serpents) is again repaired	5		12		48
6	16	c	Rogat. Sun	by a renewed ſtrength, and	6		10		50
7	17	d	Jodocus	at laſt breaks out into open	7		9		51
8	18	e	Venant	Rebellion, which (becauſe it	8		8		52
9	19	f	Sarah	brings infinite Miſery upon	9		6		54
10	20	g	Pentecoſt. Dom	Prince and People) is repre	10	4	5	7	55
11	21	a	Helena	ſented by the monſtrous de	11		3		57
12	22	b	Adelmus	formity of *Typhon*; his hun-	12	4	2		58
13	23	c	Vitalis	dred Heads, ſignifie their di-	13	4	1	7	59
14	24	d	Eſther	vided Powers; his fiery	14	4	0	8	0
15	25	e	Urbanus	Mouths, their enflamed In-	15	3	59	8	1
16	26	f	Edward	tents; his Serpentine Circles,	16		58		2
17	27	g	Beda	their peſtilent Malice in be-	17		57		3
18	28	a	Wilhelm.	ſieging; his Iron-Hands,	18		55		5
19	29	b	Maximia	their mercileſs Slaughters;	19		54		6
20	30	c	Petroc. Conf.	his *Eagles* Talons, their	20		53		7
21	31	d	Petronel	greedy Rapins; his plumed	21		52		8
22	June	e	Nicomed	Body, their continual Ru-	22		51		9
23	2	f	Marcellin.	mours, and Scouts, Fears, and	23	3	50	8	10
24	3	g	Eraſmus	ſuch like; and ſometimes	24		49		11
25	4	a	Quirinus	theſe Rebellions grow ſo	25		48		12
26	5	b	Boniface	potent, that Princes are	26		47		13
27	6	c	Trin. Sund.	enforced (being tranſported,	27		46		14
28	7	d	Paul Ep.	as it were, by the Rebels,	28		45		15
29	8	e	Medardus	and forſaking the Chief	29		45		15
30	9		Barnim.	Seats and Cities of the	30	3	44	8	16
31	10		Corp. Chr.	King-	31	3	44	8	16

☾ Laſt Quarter the 4th day, at 2 in the afternoon.
● New Moon the 12th day, 40 min. paſt 4 in the afternoon.
☽ Firſt Quarter the 20th day, at 11 in the morning.
○ Full Moon the 26th, at midnight.

1	f	☽ n.ſin.hum.	♒	aqua.	13	11	A	10	Some drizling and
2	g	☽n.dex.hum.	♒	aqua.	29	11		30	cooling ſhowers of
3		Trinity Sunday		piſces	10	11		45	Rain, with Nor-
4	a	☽n.caud.Ceti b.		piſces	23	12		0	thernly Winds, may
5	b	☽ n ext al.Peg.		aries	5	0	M.	0	be expected
6	c	☽ n vent.Ceti		aries	18	0		18	△ ♄ ♂ begin-
7	d	☽n luc in ca. V		taur.	0	0		36	ning; then hot wea-
8	e	Term begins		taur.	12	0		56	ther for ſome days:
9	f	☽ n. Pleiades		taur.	23	1		17	But about the New
10	g	A Spaſt Trin.		gem.	5	1		44	Moon ſome cooling
11	a	St. Barnabas		gem.	17	2		20	☌ ☉ ♄
12	b	☽ luc pe. Gem.		gem.	29				Eclipſed, viſible
13	c	☽n.Ca t.& Poll.		canc.	11	9	A.	6	breezes of Wind
14	d	☽ n. Pocon.		canc.	23	9		26	with drizling Rain
15	e	☽ n. Aſellos		leo	5	9		46	☌ ♄ ☿ and
16	f	☽n.cor Leonis		leo	18	10		6	ſome miſty Morn-
17	g	1 paſt Trinity		virgo	0	10		26	ings; and about
18	a	♄ ☽ 29 R.		virgo	13	10		45	✶ ☉ ♂ this
19	b	♃ ♋ 29		virg.	26	11		4	✶ ♂ ♀ ☌ ☉ ☿
20	c	♂ ♍ 8		libra	10	11		22	time an increaſe of
21	d	♀ ♉ 24.		libra	23	11		40	Heat may be expe-
22	e	☽ ♋ 14.		ſcorp.	8	12		15	cted, and probably
23	f	♌ ♍ 3.		ſcorp.	22	0	M	15	Thunder therewith:
24	g	St. John Baptiſt		ſagit.	7	0		56	And about the Full
25	a	☾n.dex.hu.Oph.		ſagit.	22	1		45	Moon, ſome dry
26	b	☽ n. caud. Vult.		capric.	7	Full Moon			☽ Eclipſed, viſible.
27	c	Term ends		capric.	22	8	A	30	Winds; and at the
28	d	☽ n.ſin.hum.	♒	aqua.	7	8		54	end ſome Miſts or
29	e	St. Peter		aqua.	21	9		18	✶ ♃ ♀ drizling
30	f	☽n.a. in d.M.	♒	piſces	5	9		42	♂ ♃ ♀ Rain.

Moons riſing. | Moons ſetting. | ☽'s riſing.

Saturn *is South at Midnight.*
Jupiter *sets betwixt* 9 *and* 10 *at Night.*
Mars *sets between* 10 *and* 11 *at Night.*
Venus *risets betwixt* 1 *and* 2 *in the Morning.*
Mercury *goeth to Combustion.*

English Account.	Forein Account.	Roman Kalendar	Ro. Sain day								
1	11	a	Barnabas	Kingdom) to contract their	1	3	44	8	16
2	12	b	Blandin.	Power, and (being deprived	2		43		17
3	13	c	Trin.	of the Sinews of Mony and	3		43		17
4	14	d	Basilius	Majesty) betake themselves	4		42		18
5	15	e	Vitus	to some remote and obscure	5		42		18
6	16	f	Rulandus	Corner, within their Domi-	6		42		18
7	17	g	Botolph	nions: But in process of	7		42		18
8	18	a	Homer	time (if they bear their	8		41		19
9	19	a	Gervase	Misfortunes with moderati-	9		41		19
10	20	c	2 ma Trin	on) they may recover their	10		41		19
11	21	d	Walburge	strength, by the virtue and	11	3	41	8	19
12	22	e	Alban	industry of *Mercury*, that is,	12		41		19
13	23	f	Jo. & Paul	they may (by becoming	13		41		19
14	24	g	St. Jo. Bapt.	affable, and by reconciling	14		41		19
15	25	a	Elogius	the Minds and Wills of their	15		42		18
16	26	b	Jeremias	Subjects, with grave Edicts	16		42		18
17	27	c	3 ma Trin	and gracious Speech) excite	17		42		18
18	28	d	Leo P.	an alacrity to grant Aids	18		42		18
19	29	e	St. Peter	and Subsidies, whereby to	19		43		17
20	30	f	Con. Paul	strengthen their Authority	20	3	43	8	17
21	July	g	Theobald	anew. Nevertheless, having	21		44		16
22	2	a	Visit. V. M.	learned to be wise and wary,	22		44		16
23	3	b	Cornelius	they will refrain to try the	23		44		16
24	4	c	4 ta Trin	Chance of Fortune by War,	24		45		15
25	5	d	Zoa. Virg.	and yet study how to sup-	25	3	45	8	15
26	6	e	Hector	press the reputation of the	26		46		14
27	7	f	Demetrius	Rebels by some famous A-	27		47		13
28	8	g	Chilian	ction, which if it fall out an-	28		48		12
29	9	a	Cyrillus	swerable to their expectation,	29		49		11
30	10	b	7 Fratres	the	30	3	50	8	10

☾ Last Quarter the 4th day, at 4 in the morning.
☽ New Moon the 12th day, at 7 in the morning.
☽ First Quarter the 19th day, at 6 in the afternoon.
☽ Full Moon the 26th day, 20 min. past 8 in the morning.

1	☉	4 past Trinity	pisces	19	10	A	2		Some drifling Rain with hot and ſul- try weather for ſome days; and alſo miſty Mornings about this time; and towards the New Moon, Thunder ſhowers may be expected. But after the New Moon, dry and Windy weather for ſome days; and a- bout the 20th or 21th be- gins windy and ſhowery weather, followed with drifling Rain; ☐ ♄ ☿ ☐ ♂ ☿ ♂ ♄ ☿ and about the Full Moon Miſty morn- ings; then hot weather, and to hoped fair, to the end of the Month.
2	a	☽ n. ext. al. Pegaſ.	aries	2	10		22		
3	b	☽ n. vent. Ceti	aries	14	10		42		
4	c	☽ n. pr. ✶ Arietis	aries	28	11		0	Moons rising.	
5	d	☽ n. Manker	taur.	8	11		20		
6	e	☽ n. cap. Meduſa	taur.	20	11		42		
7	f	☽ n. Aldebaran	gem.	2	12		10		
8	☉	☽ past Trinity	gem.	14	0	M	10		
9	a	☽ n. dex. hu. Au.	gem.	26	1		00		
10	b	☽ n. Caſt. & Pol.	cane.	8	2		00		
11	c	☽ n. Procyon	cane.	20	3		4		
12	d	Sol in Leo	leo	2	New ☽				
13	e	☽ n. auſ. in c. Leo	leo	14	8	A	18		
14	f	☽ n. cor. Leonis	leo	27	8		36		
15	☉	6 past Trinity	virg.	10	8		53		
16	a	♄ ♐ 28 R.	virg.	23	9		10	Moons ſetting.	
17	b	♃ ♎ 6	libra	6	9		27		
18	c	♂ ♍ 25	libra	20	9		46		
19	d	☿ ♊ 24	ſcorp.	4	10		12		
20	e	♅ ♍ 4	ſcorp.	18	10		40		
21	f	♎ ♑ 2	ſagit.	2	11		20		
22	☉	7 past Trinity	ſagit.	16	12		18		
23	a	☽ n. ſin. man. ♐	capr.	1	0	M	18		
24	b	☽ n. caud. vult.	capr.	16	1		38		
25	c	St. James	aqua.	0	3		00		
26	d	☽ n. ſin. hum. ♒	aqua.	15	Full ☽				
27	e	☽ n. dex. hum. ♒	aqua.	29	7	A	48	Moons rising.	
28	f	☽ n. Marchab.	piſces	13	8		6		
29	☉	8 past Trinity	piſces	27	8		24		
30	a	☽ n. vent. Ceti	aries	10	8		42		
31	b	☽ n. pr. ✶ Ariet.	aries	21	9		00		

Saturn *at the beginning is south between* 10 *and* 11; *at the end he is south before* 9 *at Night.*
Jupiter *goeth to Combustion.*
Mars *sets about* 9 *at Night.*
Venus *rises about* 1 *in the Morning.*
Mercury *sets after the Sun.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days.							
1	11			the Rebels finding them-	1	3	51	8	9
2	12	d	Henricus	ſelves weakned, and fear-	2		52		8
3	13	e	Margaret	ful, the ſucceſs of their	3		53		7
4	14	f	Bonavent	broken Projects, betake	4		54		6
5	15	g	Swithin	themſelves to ſome ſlight	5		55		5
6	16	a	Hillarius	and vain Bravado's, like	6		56		4
7	17	b	Alexius	the hiſſing of Serpents.	7		58		2
8	18			Thus, by this Famous	8	3	59	8	1
9	19	d	Ruffinus	Action, is the Monſter ſaid	9	4	0	8	0
10	20	e	Elias	to be ſtruck by *Jupiter*	10	4	1	7	59
11	21	f	Daniel	with a Thunder-bolt, and	11		3		57
12	22	g	Mary Mag.	by his Blood, Serpents are	12		5		55
13	23	a	Apollin.	engendred.	13		6		54
14	24	b	Chriſtina	At length, the Rebels	14		7		53
15	25			in deſpair betake them-	15		9		51
16	26	d	Anna	ſelves to flight; and then,	16		10		50
17	27	e	Martha	when they begin to break,	17		11		49
18	28	f	Panthol.	it is ſafe and timely for	18		13		47
19	29	g	Beatrice	Kings to purſue, and op-	19		14		46
20	30	a	Abdon	preſs them with the forces	20	4	16	7	44
21	31	b	German	and weight of the King-	21		17		43
22				dom, as it were with the	22		19		41
23	2	d	Srephen	Mountain *Ætna*.	23		20		40
24	3	e	Dominic.		24		22		38
25	4	f	Ariſtarch.	Of the *Cyclops*, 'Tis ſaid,	25		24		36
26	5	g	Oſwaldus	they were the Sons of	26		25		35
27	6	a	Sixtus	*Neptune* and *Amphitrite*,	27		27		33
28	7	b	Afra	and that they were *Vul-*	28		29		31
29	8			*can's* aſſiſtants in making	29		31		29
30	9	d	Julian	*Jupiter's* Thunder-bolts, and	30	4	33	7	27
31	10	e	Lawrence		31		35		25

☾ Laſt Quarter the 2d day, at 6 at night.
● New Moon the 10th day, at 8 at night.
First Quarter the 17th day, at 11 at night.
Full Moon the 24th day, 40 min. paſt 6 at night.

1	c	Lammas	taur.	5	9	A	20	
2	d	☽ n cap. Meduſ.	taur.	17	9		45	
3	e	☾ n. Pleiades	taur.	25	10		15	
4	f	☽ n. Aldebaran	gem.	10	10		56	
5			gem.	22	11		50	
6	a	☽ n.luc. pe. gem.	canc.	4	12		52	
7	b	☽ n. Pollux Herc.	canc.	16	☌ M		52	
8	c	☽ n. Aſellos	canc.	28	2		00	
9	d	☽ n. auſ. cap. Leo	leo	11	3		18	
10	e	☉ Laurence	leo	24	☍			
11	f	☽ n. luc. in te. Le.	virgo	7	7	A	00	
12		☌ ☿	virg.	20	7		20	
13	g	in Virgo	libra	3	7		40	
14	b	♄ ☨ 27. ſtat.	libra	17	8		00	
15	c	☌ ☊ 12	ſcorp.	1	8		20	
16	d	☌ ♎ 17	ſcorp.	14	8		44	
17	e	☌ ♋ 27	ſcorp.	28	9		18	
18	f	☿ ♍ 20 R.	ſagit.	12	10		00	
19			ſagit.	27	11		00	
20	a	♑ ♈ 0 0	capr.	11	12		30	
21	b	☽ n. auſt. corn. ♈	capr.	25	0 M		30	
22	c	☽ n. fin. hum ♒	aqua.	9	2		4	
23	d	☽ n dex. hum ♒	aqua.	24	3		38	
24	e		piſces	8	☾			
25	f	☽ n. caud. cet. Bo.	piſces	24	6	A	32	
26			aries	5	6		48	
27	g	☽ n. vent. Ceti	aries	18	7		06	
28	b	☽ n. luc. in cd. ♈	taur.	0	7		28	
29	c	☾ n. Mauker	taur.	13	7		44	
30	d	☽ n. Pleiades	taur.	25	8		54	
31	e	☽ n. Aldebaran	gem.	7	9		00	

Moons Riſing. — Moons Setting. — ☽'s riſing.

We may expect about the 3d or 4th day ſome ſhowers of Rain; then 'tis hoped we may have ſeaſonable and good Harveſt weather for ſome days ☌ ☉ ♄ But the New Moon produceth ſhowry weather, ✱ ☿ ☿ ✱ ♃ ♂ and 'tis feared may continue; with ſhowers alſo about the 17th day; afterwards it is hoped we may have ſeaſonable weather for ſome days: But the 23th or 24th days bring Miſts or drizling Rain, and continue ſhowery ☌ ☉ ☿ afterwards windy, and 'tis hoped, fair for the moſt part, to end of the Month.

English Account.

Saturn *at the beginning sets about Midnight, at the end he sets between* 10 *and* 11 *at Night.* Jupiter *emergeth from the Sun-beams, and riseth before him.* Mars *sets betwixt* 8 *and* 9 *at Night.* Venus *rises about* 2 *in the Morning.* Mercury *at the beginning sets after the Sun, at the end he is Combust*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days							
1	11	f	Titus	*Mars* his Chariots, &c.	1	4	3	7	23
2	12	g	Clare	They were Men of huge	2		39		21
3	13	a	Hyppolit	ſtature, having but one	3		41		19
4	14	b	Bertram	Eye, which was in their	4		42		18
5	15	c		Forehead; they lived upon	5		44		16
6	16	d	Rochus	Mens fleſh: *Polyphemus* was	6		46		14
7	17	e	Agepitus	their Chief, and he was	7		48		12
8	18	f	Helena	their Shepherd, and in Love	8	4	50	7	10
9	19	g	Sebaldus	with *Galathea*; he having	9		52		8
10	20	a	Leonard	devoured ſome of *Ulyſſes*	10		54		6
11	21	b	Bernard	his Fellows, was by him	11		56		4
12	22	c	11 p. Trin.	Intoxicated with Wine, and	12	4	58	7	2
13	23	d	Donatus	his Eye put out.	13	5	07		0
14	24	e	Bartnol.	There be Three of theſe	14		16	6	59
15	25	f	Ludovic.	of great Note among the	15		3		57
16	26	g	Irenæus	the Poets, *Brontes*, *Steropes*,	16		5		55
17	27	a	Gebhard	and *Pyracmon*.	17		7		53
18	28	b	Auguſtin	'Tis ſaid that the *Cyclops*	18		8		52
19	29	c	12 p. Trin.	for their Fierceneſs and Cru-	19		10		50
20	30	d	Fœlix	elty were by *Jupiter* caſt	20	5	12	6	48
21	31	e	Paulinus	into Hell, and there doomed	21		14		46
22		f	Ægidius	to perpetual Impriſonment:	22		16		44
23	2	g	Rachel	But *Tellus* perſuaded *Jupiter*	23		18		42
24	3	a	Euphem	that it would do well, if	24		20		40
25	4	b	Theodoſe	being ſet at liberty, they were	25	5	22	6	38
26	5	c	13 p. Trin.	put to forge Thunder-bolts;	26		24		36
27	6	d	Eugenius	which being done, accordingly	27		26		34
28	7	e	Regina	they became ſo painful and	28		28		32
29	8	f	Nat. V. M.	induſtrious, as that day and	29		31		29
30	9	g	Kunigar	night they were hammering	30	5	33	6	27
31	10	a	Soſthenes		31		35		25

☾ Laſt Quarter the 1ſt day, at 1 in the afternoon.
● New Moon the 9th day, at 8 in the morning.
☽ Firſt Quarter the 16th day, at 6 in the morning.
○ Full Moon the 23th day, 30 min. paſt 7 at night.

1	f	☽ n. Alhaiot	gem.	18	9	A	46	
2	g	13 paſt Trinity	canc.	0	10		42	Moons rising
3	a	☽ n. Caſtor.	canc.	12	11		48	
4	b	☽ n. Procyon	canc.	24	12		56	
5	c	☽ n. Aſellos	leo.	6	0	M	56	
6	d	☽ n. Cor leonis	leo.	19	2		12	
7	e	☽ n. luc. in te. Leo	virgo	2	3		30	
8	f	☽ n. caud. Leonis	virg.	15	4		50	
9	g	14 paſt Trinity	virgo	29	New			
10	a	☽ n. ſpica Virg.	libr.	13	6	A.	8	
11	b	♄ ☍ 27. D.	libr.	27	6		32	
12	c	☉ in Libra	ſcorp.	11	7		00	
13	d	☿ ♎ 18	ſcorp.	25	7		34	
14	e	♃ ♏ 3	ſagit.	9	8		20	Moons ſetting
15	f	♀ ♏ 2	ſagit.	23	9		20	
16	g	15 paſt Trin.	capric.	7	10		38	
17	a	☿ ♐ 19 D.	capr.	21	12		00	
18	b	♎ ☍ 29	aqua.	5	0	M.	0	
19	c	Ember Week	aqua.	19	1		22	
20	d	☾ n. dex. hu. Aqu.	piſces	3	2		44	
21	e	St. Matthew	piſces	16	4		6	
22	f	☽ n. Algenib.	aries	0	5		28	
23	g	16 paſt Trinity	aries	13	Full		○	1
24	a	☽ n. pr. ✱ Arier.	aries	26	5	A	45	
25	b	☽ n. Mauker	taur.	8	6		8	☽'s ſetting.
26	c	☽ n. Pleiades	taur.	20	6		34	
27	d	☽ n. Aldebaran.	gem.	3	7		2	
28	e	☽ n. Alhaiot	gem.	15	7		40	
29	f	St. Michael	gem.	26	8		30	
30	g	17 paſt Trinity	canc.	8	9		38	

Miſty mornings at ♂ ♃ ♀ the beginning are expected, then follows Fair and Windy ✱ ♄ ♂ weather, and generally good and ſeaſonable weather to end the □ ☉ ♄ later Harveſt; and about △ ♄ ♀ the 13th day briſk Winds, yet temperate and ſeaſonable weather, for the moſt part of the Month; and about ✱ ♂ ♀ the 19th or 20th day ſome Miſts or driſling Rain, with a □ ♄ ♀ cold and ſharp Air about the Full Moon: But about the 27th day ſome Rain and Windy weather to the end.

Saturn *sets between* 9 *and* 10 *at Night.* Jupiter, *at the beginning, rises between* 2 *and* 3 *in the Morning; at the end he rises about* 1 *in the Morning.* Mars *sets about an hour after the Sun.* Venus *at the beginning rises with* Jupiter; *at the end, not till almost* 4, *Morning.* ☿ *rises a little before the Sun.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days.							
1	11	b	Maurice	out in Laborious diligence.	1	5	37	6	23
2	12	c		Thunder-bolts, and other	2		39		21
3	13	d	Amantius	Instruments of Terrour.	3		41		19
4	14	e	Exal. Cruc.	*In* proces of time *Jupi-*	4		43		17
5	15	f	Nicomed.	*ter* having conceived a dis-	5		45		15
6	16	g	Edith	pleasure against *Æsculapius,*	6		47		13
7	17	a	Lambert	the Son of *Apollo*, for re-	7	5	49	6	11
8	18	b	Feriolus	storing a Dead-man to life	8		51		9
9	19	c	15 p. Trin	by Physick: and conceal-	9		53		7
10	20	d	Eustace	ing his dislike, (because	10		55		5
11	21	e	S. Matthew	there was no just Cause of	11		57		2
12	22	f	Maurice	anger, the Deed being	12	5	59	6	0
13	23	g	Joel	Pious and Famous,) se-	13	6	2	5	58
14	24	a	Rupert	cretly incensed the *Cyclops*	14		4		56
15	25	b	Cleophas	against him, who without	15		6		54
16	26	c	16 p. Trin	delay slew him with a	16		8		52
17	27	d	Judith	Thunder-bolt. In Revenge	17		10		50
18	28	e	Wencesla.	of which act, *Apollo*, (*Ju-*	18		12		48
19	29	f	S. Michael	*piter* not prohibiting it)	19		14		46
20	30	g	Jerome	shot them to death with	20	6	16	5	44
21	Oct.	a	Remigius	his Arrows.	21		18		42
22	2	b	Leodegar	These *Cyclops* were an	22		20		40
23	3	c	17 p. Trin	ancient People, inhabiting	23		22		38
24	4	d	Franciscus	the Isle of *Sicily*, which	24		24		36
25	5	e	Apollin.	were mighty Great men,	25		26		34
26	6	f	Fides	whence the Poets called	26		28		32
27	7	g	Aurelia	them Giants.	27		30		30
28	8	a	Pelagia	This Fable may be ap-	28	6	32	5	28
29	9	b	Dionysius	plied to the Projects of	29		34		26
30	10	c	18 p. Trin	Princes,	30		36		24

☾ Laſt Quarter the 1ſt day, 30 min. paſt 8 in the morning.
● New Moon the 8th day, 30 min paſt 7 at night.
☽ Firſt Quarter the 15th day, at noon.
○ Full Moon the 22th day, at 11 at night.
☾ Laſt Quarter the 31ſt day, at 4 in the morning.

1	a	☽ n. Pollux	canc.	20	10	A	50		Windy and Clou-
2	b	☽ n. Aſellos	leo	2	12		06	Moons Riſing. 1	dy, with ſome cold
3	c	☽ n. luc. in c. Leo	leo	14	0	M	06		Rain at the begin-
4	d	☽ n cor. Leonis	leo	27	1		24		☌ ☉ ♃ ning;
5	e	☽ n. caud. Leonis	virg	10	2		40		then Temperate for
6	f	☽ n. Vindemiat.	virg.	24	3		56		☌ ♃ ☍ a
7			libra	7	5		15		□ ♄ ☿ while.
8	a	☽ n. ſpica Virg.	libra	21					☌ ☉ ☿ But
9	b	☽ n. lanx. Au. t.	ſcorp.	6	5	A	4		the New Moon be-
10	c	☽ n. luc. col Serp.	ſcorp.	20	5		38		✱ ♄ ♀ gins
11	d	☽ n. cor Scorp.	ſagit.	5	6		26	Moons Setting. 1	✱ ☉ ♄ Rainy,
12	e	☽ n. dex. hu. Oph.	ſagit.	20	7		20		Windy, and Stormy
13	f		capr.	4	8		28		□ ♃ ♂ wea-
14			capr.	18	9		46		ther, and ſo conti-
15	a	♄ ♐ 29.	aqua.	2	11		08		tinues Cold and
16	b	♃ ♌ 23	aqua.	16	12		36		Winter-like, with
17	c	✱ ♍ 26.	aqua.	29	0	M	36		Wind and cold Driſ-
18	d		piſces	13	1		56		lings, till towards
19	e	☿ ♎ 14.	piſces	26	3		34		the Full Moon;
20	f	☿ ♍ 15.	aries	9	4		30		then a cold and
21			aries	22	5		45	Moons Riſing. 1	froſty Air is ex-
22	a	♑ ♐ 27.	taur.	4					pected, with dry
23	b		taur.	17	4	A	37		Winds, about
24	c	☽ n. Pleiades	taur.	29	5		14		the 25th day, Stor-
25	d	Tetſpin	gem.	11	5		56		my weather. But
26	e	☽ n. luc. hu. Aur.	gem.	23	6		45		☐ ♃ ☿ after-
27	f	☽ n. luc. pe Gem	canc.	4	7		45		wards it is hoped
28			canc.	16	8		50		✱ ♃ ☿ we may
29	a	☽ n Aſellos	canc.	28	9		56		have ſeaſonable
30	b	☽ n. luc in c. Leo	leo	10	11		05		weather to the end.
31	c	☽ n. cor Leon.	leo	22	12		18		

Saturn *at the beginning sets about* 9, *at the end he sets about* 7 *at Night.* Jupiter *at the beginning rises about* 1 *in the Morning, at the end he rises about Midnight.* Mars *sets a little after the Sun.* Venus *rises about Break of Day.* Mercury *at the beginning goeth to Combust. and at end emergeth*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days							
1	11	d	Burchard	Princes, who having cruel,	1	6	38	5	22
2	12	e	Walfride	bloody and exacting Offi-	2		40		20
3	13	f	Telemach	cers, do first punish and	3		42		18
4	14	g	Calixtus	displace them; afterwards,	4		44		16
5	15	a	Hedwig	by the Counsel of *Tellus*,	5		46		14
6	16	b	Gallus	that is, of some base and	6		48		12
7	17			ignoble Person, and by the	7		50		10
8	18	d		prevaling Respect of Pro-	8		52		8
9	19	e	Ptolomy	fit, they admit them into	9		54		6
10	20	f	Wendelin	their Places again, that	10		56		4
11	21	g	Ursula	they may have Instruments	11	6	58	5	2
12	22	a	Cordula	ready, if at any time there	12	7	0	5	0
13	23	b	Severine	should need either severity of	13		2	4	58
14	24			Execution or acerbity of Ex-	14		4		56
15	25	d	Crispin	action. These servile Creatures	15		6		54
16	26	e	Amandus	being by Nature Cruel, and	16		8		52
17	27	f	Victoria	by their former Fortune ex-	17		10		50
18	28	g		asperated, and perceiving	18		12		48
19	29	a	Narcissus	well what is expected at	19		14		46
20	30	b	Absalom	their hands, do shew them-	20	7	16	4	44
21	31			selves wonderful Officious in	21		18		42
22			All Saints	such kind of Employments;	22		19		41
23	2	e	Om. Anim.	but being too rash and pre-	23		21		39
24	3	f	Theophilus	cipitate in seeking Counte-	24		23		37
25	4	g	Modestius	nance and creeping into Fa-	25		25		35
26	5	a	Petronel	vour, do sometimes take occa	26		27		33
27	6	b	Leonard	sion from the secret Becknings	27		29		31
28	7			and ambiguous Commands of	28		31		29
29	8	d	Claudius	their Prince, to perform some	29		33		27
30	9	e	Theodore	hateful Execution.	30	7	35	4	25
31	10	f	Martin P.		But 31		36		25

● New Moon the 7th day, at 6 in the morning.
First Quarter the 13th day, at 11 at night.
Full Moon the 21th day, 20 min. past 5 at night.
☾ Last Quarter the 29th day, at 9 at Night.

1	b	All Saints	virgo	5	0	M	18	☽'s rising.	✱ ♄ ♀	Cold
2	c	All Souls	virgo	18	1		34		and frosty Air at	
3	d	☽n. Vindemiat.	libra	1	2		51		beginning, then fol-	
4	e		libra	15	4		08		lows high Winds,	
5	f		libra	29	5		25		stormy and Turbu-	
6	g	☽n. Ianx. Boreal.	scorp.	14	6		42		lent weather, with	
7	a	☽n. cor. scorpion.	scorp.	29	New				□ ☉ ♃ Snow,	
8	b	♄ ♍ 1	sagit.	14	5	A	14		♂ ♂ ☿ or	
9	c	♃ ♌ 6	sagit.	29	6		20		cold Rain; then	
10	d	♂ ♐ 13	capr.	14	7		38		follows misty and	
11	e	23 past Trinity	capr.	28	9		00	Moons setting.	**Martinmas-day.**	
12	f	Sol in Sagitary	aqua.	13	10		24		foggy weather; and	
13	g	♀ ♍ 15	aqua.	26	11		50		about the 17th day	
14	a	☿ ♐ 21	pisces	10	12		06		a cold and sharp	
15	b	☊ ♐ 26	pisces	23	1	M	06		Air is expected;	
16	c	☽ n. Algenib.	aries	6	2		18		and about the Full	
17	d	☽ n. vent. Ceti	aries	19	3		30		Moon, Wind and	
18	e	24 past Trinity	taur.	1	4		40		△ ♃ ☿ Snow,	
19	f	☽ n. Manes	taur.	13	5		48		and right Winter-	
20	g	☽ n. Pleiades	taur.	25	6		52		like weather.	
21	a	☽ n. Aldebaran	gem.	7	Full					
22	b	☽ n. Alhaiot.	gem.	19	4	A	30		□ ☿ ♀	
23	c	☽ n. dex. hu. Aur.	canc.	1	5		20			
24	d	☽ n. Castor	canc.	13	6		23	Moons rising.	♂ ♄ ☿	
25	e	25 past Trinity	canc.	25	7		30		About this time some	
26	f	☽ n. Asellos	leo	7	8		40		remission of cold,	
27	g	☽ n. luc. ca. Leon.	leo	19	9		52		△ ♃ ♂ with	
28	a	Term ends	virgo	1	11		04		Mists and Drislings,	
29	b	☽ n. caud. Leonis	virgo	14	12		18		and otherwhiles some	
30	c	St. Andrew	virgo	26	0	M	18		slight Frosts.	

Saturn *sets about the end of Twilight.*
Jupiter *rises betwixt* 11 *and* 12 *at Night.*
Mars *at the end is hid under the Sun-beams.*
Venus *rises a little after Break of Day.*
Mercury *follows the Sun, setting a little after him*

English Account.	Forrin Account.	Roman Kalendar.	Rom. Saints days.								
1	11	g	Martin Ep.	But Princes (abhorring the	1	7	38	4	22
2	12	a	Cunibert	Fact, and knowing well they	2		39		21
3	13	b	Eugenia	ſhall never want ſuch kind	3		41		19
4	14	c	24 p. Trin.	of Inſtruments) do utterly	4		43		17
5	15	d	Leopold	forſake them, turning them	5		45		15
6	16	e	Otmarus	over to the Friends and Al-	6		46		14
7	17	f	Hugo	lies of the wronged, to their	7		48		12
8	18	g	Hezechias	Accuſations and Revenge, and	8		49		11
9	19	a	Elizabeth	to the general hatred of the	9		51		9
10	20	b	Amos	People; ſo that with great	10		52		8
11	21	c	24 p. Trin.	applauſe, and proſperous	11	7	54	4	6
12	22	d	Cœcilia	wiſhes and acclamations to-	12		55		5
13	23	e	Clement	wards the Prince, they are	13		57		3
14	24	f	Chryſog.	brought rather too late than	14		58		2
15	25	g	Catherine	undeſervedly, to a miſerable	15	8	0	4	0
16	26	a	Conradus	End.	16		1	3	59
17	27	b	Guntherus	These *Cyclops* are by ſome	17		3		57
18	28	c	Advent S.	meant the Vapours, which by	18		4		56
19	29	d	Saturnius	the influence of Heaven are	19		6		54
20	30	e	St. Andrew	drawn out of the Earth and	20		7		53
21	Dec. 1	f	Longinus	Sea, and being in the Air en-	21		8		52
22	2	g	Candidus	gender Thunder and Light-	22		9		51
23	3	a	Caſſian.	ning to *Jupiter*: *Apollo* was	23	8	10	3	50
24	4	b	Barbara	ſaid to kill theſe *Cyclops*, be	24		11		49
25	5	c	1 Advent	cauſe the *Sun* diſpelleth Va-	25		12		48
26	6	d	Nicholas	pours.	26		13		47
27	7	e	Agathon	*Ulyſſes*, by intoxicating tall	27		14		46
28	8	f	Conc. V. M.	*Polyphemus* with Wine over-	28		15		45
29	9	g	Joachim	came him; here *Policy* over-	29		15		45
30	10	a	Miltiades	comes	30	8	16	3	44

● New Moon the 6th day, 30 min. past 4 at night.
☽ First Quarter the 13th day, at 11 in the morning.
○ Full Moon the 21th day, at 1 in the afternoon.
☾ Last Quarter the 29th day, at noon.

1	f	☽ n.Spic.Virgin.	nor.	10	1	M	36				
2	g	☿ Advent	libr.	23	2		54				
3	a	☾ n.lanc.Aur.	scorp.	7	4		12				
4	b	☽ n.dimic.Oph.	scorp.	22	5		30				
5	c	☽ n. cor Scorp.	sagit.	7	6		48				
6	d	☽ n.fi.Man. ♐	sagit.	23				☽'s Rising.			
7	e	☽ n.caud. Vult.	capr.	1	5	♑	00				
8	f	Concep. B.V.M.	capr.	23	☾		22				
9	g	☿ Advent	aqua.	8			45				
10	a	☽ n.dec.hum, ♒	aqua.	27	☽		14				
11	b	Sol in Capric.	pisces	6	10		3				
12	c	♄ ♍ 5	pisces	20	11		4				
13	d	☿ ♏ 26 R.	aries	3	1						
14	e	♀ ♍ 9	aries	16	1	M	2	Moons Setting			
15	f	♃ ♐ 25.	aries	28	2		13				
16	g	☿ Advent	taur.	10	3		24				
17	a	☿ ♐ 25 R.	taur.	22	4		54				
18	b	♑ ♐ 24.	gem.	4	5		34				
19	c	Ember Week	gem.	16	6		26				
20	d	☽ n.luc.pe.Gem.	gem	28	7		16				
21	e	S. Thomas	canc.	10				☽'s Rising.			
22	f	☽ n.Procyon	canc.	22	5	A	0				
23	g	☿ Advent	leo	4	6		12				
24	a	☽ n.luc.cap. Leo	leo	16	7		24				
25	b	Nativ. Christ	leo	28	8		38				
26	c	S. Stephen	virg.	10	9		51				
27	d	S. John	virg.	23	11		4	Moons Rising.			
28	e	Innocents	libr.	6	12		16				
29	f	☽ n.Spic. Virg.	libr.	19	0	M	16				
30	g	☽ n. lanc. Aur.	scor.	3	3		29				
31	a	☽ n.luc.col Serp.	scor.	17	2		42				

Moderate at the beginning; but about the 4th day a sharp frosty Air, with Snow, or cold drizling Rain; now ☉ ☽ ☿ ♂ ♃ ♄ ♂ ♂ ♄ ☿ fogy weather is expected. ♃ ☉

But about the 14th day brisk and ♎ ☿ ♀ sharp ♂ ☉ ☿ ☾ ♀ ☿ ♎ ☿ ☿ Winds, and about this time Snow, and in all probability, plenty thereof, as also Frost and downright Winter-like-weather, ♃ ♄ ♀ which is expected, may continue without much alteration, to the end of the ♎ ☿ ☿ year.

Saturn *and* Mercury *go to Combustion.*
Mars *and* Venus *are hid under the Sun-beams.*
Jupiter *at the beginning rises betwixt* 9 *and* 10 *at Night, and is south betwixt* 4 *and* 5 *in the Morning; at the end he is south betwixt* 2 *and* 3 *in the Morning, rising between* 7 *and* 8 *at Night.*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days.								
1	11	b	Damasus	comes *Strength.* We see also	1	8	16	3	44
2	12	c	S. Adam	the effects of Drunkeness, by	2		17		43
3	13	d	Lucia V.	it we lose both our Strength,	3		17		43
4	14	e	Auxentius	and the Eye of Reason.	4		18		42
5	15	f	Abraham	A Common-wealth without	5		18		42
6	16	g	Ananias	a King is like great *Poly-*	6		18		42
7	17	a	Lazarus	*phemus* without an Eye; and	7		18		42
8	18	b	Christoph.	then there was nothing but	8		19		41
9	19	c	S. Advent	*Cyclopian* Cruelty and Op-	9		19		41
10	20	d	Julian	pression. Great men feeding	10		19		41
11	21	e	S. Thomas	on the flesh of the Poor, then	11	8	19	3	41
12	22	f	Theodore	is nothing but intestine Wars	12		19		41
13	23	g	Dagobert	and Broils, the Servants of	13		19		41
14	24	a	Adam & E.	*Vulcan* making Thunderbolts	14		19		41
15	25	b	Christmas	and Chariots for *Mars*, *Ætna*	15		18		42
16	26	c	S. Stephen	resounding with the noise of	16		18		42
17	27	d	S. John	their Hammers on the Anvil.	17		18		42
18	28	e	Innocents		18		18		42
19	29	f	Jonathan	*Bronteſque, Steropeſque, & nu-*	19		17		43
20	30	g	David	*dus membra Pyraemon.*	20	8	17	3	43
21	31	a	Silvester		21		16		44
22	Jan. 1695	b	Circum.	So it was in *Israel* when *every*	22		15		45
23	2	c	Abel	*man did what he listed.*	23		15		45
24	3	c	Enoch	An Envious man is like	24		14		46
25	4	d	Methusal.	*Polyphemus*, he hath no Cha-	25		13		47
26	5	e	Simeon	ritable Eye; he feeds and	26		13		47
27	6	f	Epiphany	delights himself with the ruin	27		12		48
28	7	g	Felic. &c.	and destruction of other	28		11		49
29	8	a	Erhard	men, &c.	29		10		50
30	9	b	S. Epiph.		30	8	9		51
31	10	c	Agathus		31		8		52

A TABLE shewing how many Years purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

Years of a Lease.	Years.	Months.	10th parts.
1	0	11	0
2	1	9	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	6
13	8	10	3
14	9	3	6
15	9	8	5
16	10	1	3

The Use and Explanation of the TABLE.

The first Column towards the left Hand sheweth the Years of a Lease, or Annuity, and right against each Year, is the Years, Months, and Tenth Parts of a Months purchase, that such a Lease or Annuity is worth. Example:

Suppose a Lease or Annuity to continue 12 Years, and you would know how many Years purchase it is worth in present Mony, look in the Table for Twelve Years of a Lease to the left Hand, and against the same you shall find 8, 4, 6, which sheweth that such a Lease is worth 8 Years, 4 Months, and 6 Tenth parts of a Months Purchase.

Years of a Lease.	Years.	Months.	10th parts.
17	10	5	8
18	10	9	3
19	11	1	9
20	11	5	7
21	11	9	3
22	12	0	5
23	12	3	6
24	12	6	6
25	12	9	4
26	13	0	0
27	13	2	5
28	13	4	9
29	13	7	1
40	13	9	2
31	13	11	1
32	14	1	0

AGAIN:

If you are to take or buy the Reversion of any Lease or Annuity, work thus; Suppose the Lease to be Thirty Years in all, you find in the Second Table and Right Hand against Thirty, 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchase, this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence, look in the Table against the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchase: Take this out of the Sum against Thirty, which is, 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after five Years worth, the Remainder of Thirty Years.

This is Useful and very Easie.

SAUNDER, 1694.

The Second Part.

Containing the Eclipses; the Suns Quarterly Ingresses, the Southing of the seven Stars for every 5th. day of this Year. With Rules and Tables for the measuring of Board, Glass, Pavements, or other Superficial measure; as also to Measure Timber; And many other things worth Observation.

The Characters of the Twelve Signs.

♈ Aries, ♉ Taurus, ♊ Gemini, ♋ Cancer, ♌ Leo, ♍ Virgo, ♎ Libra, ♏ Scorpio, ♐ Sagittary, ♑ Capricorn, ♒ Aquarius, ♓ Pisces.

The Characters of the Planets, with the Dragons Head and Tail.

♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aspects.

☌ Conjunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Opposition.

A Brief Chronology of Memorable things, to this Year, 1694.

	THe Creation of the World	3642
	Noahs Flood	3987
	The destruction of Sodom and Gomorrah	3996
	The destruction of Troy	2876
	Brute entred this Island	2801
	The Building of *London*	2801
	The Building of *York*	2683
	The Building of *Leicester*	2637

A TABLE shewing how many Years purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

Years of a Lease.	Years.	Months.	10th parts.
1	0	11	0
2	1	9	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	6
13	8	10	3
14	9	3	6
15	9	8	5
16	10	1	3

The Use and Explanation of the TABLE.

The first Column towards the left Hand sheweth the Years of a Lease, or Annuity, and right against each Year, is the Years, Months, and Tenth Parts of a Months purchase, that such a Lease or Annuity is worth. Example:

Suppose a Lease or Annuity to continue 12 Years, and you would know how many Years purchase it is worth in present Mony, look in the Table for Twelve Years of a Lease to the left Hand, and against the same you shall find 8, 4, 6, which sheweth that such a Lease is worth 8 Years, 4 Months, and 6 Tenth parts of a Months Purchase.

Years of a Lease.	Years.	Months.	10th parts.
17	10	5	8
18	10	9	3
19	11	1	9
20	11	5	7
21	11	9	3
22	12	0	5
23	12	3	6
24	12	6	6
25	12	9	4
26	13	0	0
27	13	2	5
28	13	4	9
29	13	7	1
40	13	9	2
31	13	11	1
32	14	1	0

AGAIN:

If you are to take or buy the Reversion of any Lease or Annuity, work thus; Suppose the Lease to be Thirty Years in all, you find in the Second Table and Right Hand against Thirty, 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchase, this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence, look in the Table against the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchase: Take this out of the Sum against Thirty, which is, 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after five Years worth, the Remainder of Thirty Years.

This is Useful and very Easie.

SAUNDER, 1694.

The Second Part.

Containing the Eclipſes; the Suns Quarterly Ingreſſes, the Southing of the ſeven Stars for every 5th. day of this Year. With Rules and Tables for the meaſuring of Board, Glaſs, Pavements, or other Superficial meaſure; as alſo to Meaſure Timber; And many other things worth Obſervation.

The Characters of the Twelve Signs.

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The Characters of the Planets, with the Dragons Head and Tail.

♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aſpects.

☌ Conjunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Oppoſition.

A Brief Chronology of Memorable things, to this Year, 1694.

Since	The Creation of the World	5642
	Noahs Flood	3987
	The deſtruction of Sodom and Gomorrah	3596
	The deſtruction of Troy	2876
	Brute entred this Iſland	2801
	The Building of *London*	2801
	The Building of *York*	2683
	The Building of *Leiceſter*	2637

	The building of *Canterbury*	2586
	The building of *Stamford*	2557
	The building of *Rome*	2446
	The deſtruction of *Jeruſalem* by *T. Veſp.*	1607
	England firſt received the Chriſtian Faith	1514
	The Tower of *London* built	1129
	Duke *William* conquered *England*	628
	Weſtminſter Hall was built	595
	The Bible divided into Chapters	499
	The Invention of Guns	316
	The Art of Printing	254
	St. *Pauls* Steeple fired by Lightening	133
	New Star in *Caſſiopeia*	121
	A great Snow fell *Feb.* 4.	116
	Tilbury Camp on St. *James*'s day	106
	A Plague in *London*, whereof dyed 30598	90
	Gunpowder Treaſon, *November* 5.	89
	A great Snow, and *Smithfield* paved	79
Since	A great Plague in *London*, whereof dyed 35418	69
	The Long Parliament began, *November* 3.	54
	King *Charles* the Firſt was Murdered	46
	Two Comets appeared in *December* and *March*	30
	The doleful Plague that followed them	29
	London was burnt, *September* 2, 3, 4, 5	28
	The laſt great Snow	20
	The wonderful Comet in *December*	14
	A Comet in *Auguſt*	12
	The terrible Fire in *Wapping*, *November* 19.	12
	A great Earthquake, *October* the 6th	11
	The laſt great Froſt	10
	The Rebellion in the *Weſt*	9
	The ſeven Biſhops ſent to the Tower, *June*	6
	The Prince of *Orange* Landed, *November* 5.	6
	King *William* went to *Ireland* with an Army, *June*	4
	The *French* Fleet moſt notoriouſly beaten by the *Engliſh* and *Dutch*, and 20 of their capital Ships deſtroyed, *May*	2

Of the Eclipses this Year 1694.

THere will happen to the Inhabitants of this *Terraqueous Planet* whereon we live, Four Eclipses of the Two Bright Lights of Heaven, in this Year 1694, Two of the Sun, and Two of the Moon; Two of these, *viz.* One of each Luminary may be seen in *England*; They happen as followeth.

The first Eclipse is of the *Moon*, the first day of *January* at Noon, and therefore cannot be seen to us, it is Celebrated in 22 degrees of *Cancer*; it is no great Eclipse, being but about 5 digits Eclipsed, it may be seen by our *Antipodes*, and to the Inhabitants of the North-West parts of *America*, about *Californa*, also in the *East-Indies*, and about *Japan*, *&c.*

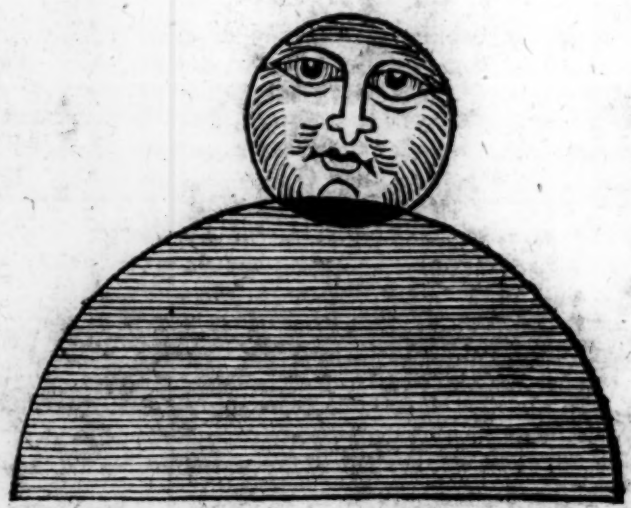
The second Eclipse will be of the *Sun* on the 12*th.* day of *June* about 5 of the Clock in the Afternoon, it is Celebrated in the beginning of *Cancer*; The late Twenty Years Ephemeris says, That more than half the *Suns* Body will be obscured from our sight, and we may, if the Air be clear, observe the same in *London*; but time will prove the contrary; for it will not, (according to my Calculation) appear a fourth part obscured: The true Conjunction is somewhat before 5 of the Clock, but the visible Conjunction to us, is not till near 6, at which time the *Sun* will appear somewhat above 2 digits Eclipsed, and that on the Lower, or South part of his Body. This Eclipse though it appear no greater unto us, yet is a very great Eclipse to some parts of the World, it will appear very considerably in *Spain*, and *Morocco*, also about the *Canary Islands*, and the *Allores*; it is very great in the North parts of *America*, but the greatest about *Virginia*, *New England*, *&c.*

A Type of the Suns *Eclipse* June 12th. *as it appears unto us, that 6in the Afternoon.*

Of

The third Eclipſe is of the Moon the 26th. day of *June*, a little after Midnight, it hapneth in 15 degrees of ♍ : It is but a ſmall Eclipſe, not being above a Digit, and a half, Eclipſed: A Type thereof followeth.

A Type of the Moons Eclipſe June 26, near Midnight.



The Fourth and laſt Eclipſe is of the *Sun*, the 6th. day of *December*, near 5 of the Clock at Night, and therefore not viſible unto us, it hapneth in the 26th. degree of *Sagitary*; it is a great Eclipſe, and will ſo appear to the Inhabitants of *Braſilia*, and to all the South part of *America*. As to the Effects of Eclipſe, Authors ſay, That Eclipſes of the *Sun*, in ♋, *Decim*, *primis gradibus aërem perturbat, magnáq; exagitat varietate, &* in ♐ *ultimis decem gradibus, & equos, & exercitus multifariam affligit.* And of Eclipſes of the *Moon*, They ſay, *In ultimo decano*, ♋, *Sexui muliebri morbos, ſubitas, miſeras, repentinaſque neces minnitatur.* And of Eclipſes of the Moon, *In* ♍ *medio decano, Crebros Militum inſultus, incurſionis Crebras, Latronimia & Captivitates.*

Of

Of Eclipſis of the Sun *and* Moon, *what they are, and when they happen.*

THE Eclipſe of the *Sun*, is not properly an Eclipſe, though commonly ſo called, it being nothing elſe but the Direct Interpoſition of the Body of the *Moon* betwixt our Sight and the *Sun*, for the *Moon* being a denſe, ſolid, and dark Body, and not Tranſparent, coming betwixt the *Sun* and the *Earth*, (which is always in a Conjunction) doth thereby hide more or leſs of the *Suns* bright ſhining Body from our ſight: But yet the *Sun* is not Eclipſed at every Conjunction, but when it falleth in or near thoſe interſections of their Orbs, called the Head or Tail of the *Dragon*; Neither can the Eclipſe of the *Sun* be Univerſal as the *Moons* is, but may appear in one Climate a great Eclipſe, in another it may be leſſer, and in otherſome no Eclipſe at all, and that at the ſelf-ſame inſtant: And the Reaſon is, That the *Sun* ſo far exceedeth the Earth, and the Earth, the *Moon* in bigneſs, that the Cone of the *Moons* ſhadow cannot take away or hide the whole Body of the *Sun* from all parts of the Earth; but one part only ſhall obſerve the ſame to be Total or of like quantity. Hence it may appear that the *Sun* looſeth no Light, but only we are deprived of the ſame, by the interpoſition of the *Moons* dark Body.

The Eclipſe of the *Moon* is cauſed by the interpoſition of the Earth between the *Sun* and her, for the *Moon* having no Light but what ſhe receiveth of the *Sun*, is therefore by the Earths interpoſition Eclipſed, and this can never happen but at the Full, yet not at every Full, but only when at the Oppoſition ſhe is found in or near to the Ecliptick, that is, in or near to thoſe Nodes, or Interſections of the Ecliptick called the Head and Tail of the *Dragon*, for then having little or no Latitude, but being Diametrically oppoſite to the *Sun*; The dark Shadow of the Earth falleth upon her, and Eclipſeth her. From hence it appears that what we call an Eclipſe of the *Sun*, is more properly an Eclipſe of the Earth; for as the ſhadow of the Earth Eclipſeth the *Moon*, ſo the ſhadow of the *Moon* Eclipſeth the Earth, the *Sun* loſing no light in one caſe, more than in the other, *&c.*

Of the Four Quarters of the Year, and first of the Spring.

THe Spring Quarter begins *March* 10th. at 52 minutes 59 ſeconds in the Morning, the Sun then entring the firſt point of *Aries* (or the Earth *Libra*) maketh equal day and night to all, (except under the Poles). Now as the days and nights are of equal length, ſo is there an equality in the temper of the Air; whereby the pores of the Earth are relaxed, and a vivifying fume evaporating, aſcendeth, by the cold and chillifyed Roots of Herbs and Plants, and produceth their vegetable life. This Quarter generally is hot and moiſt, and if it prove otherwiſe, it bringeth diſeaſes and dangerous diſtempers. Such perſons as are naturally Melancholly, do enjoy their Healths the beſt this Quarter, the Sanguine the contrary. Such diſeaſes as proceed from exceſs and putrefaction of Blood are moſt dangerous; but ſuch as have their original from Melancholly are leſs hurtful. In *March* be not too buſie in purging or bleeding, but rather bathe, and uſe ſuch Meats or Medicines, as purge and ſweeten the Blood. In *April* you may freely bleed, bathe or purge, if there be occaſion; but drink moderately now, and forbear ſalt Meats. In *May* you may purge gently the blood or body, or open a Vein: Now to drink clarified Whey is good, but forbear Wine, and ſuch Meats as are of a hot quality.

Of Summer.

THis Quarter begins the 11th day of *June*, at 3 hours, 35 minutes, 34 ſeconds in the Morning, the Sun then entring the Tropical Sign *Cancer*, maketh the longeſt day and ſhorteſt night to all on this ſide the Equator. This Quarter naturally is hot and dry; Perſons of Phlegmatick Conſtitutions are now beſt in health, and the Cholerick the contrary. Antient people do now revive, but young people languiſh through exceſs of Blood, and are thereby much expoſed to Feavers, eſpecially the Tertian. In the Month of *June* abſtain from ſuch Meats as ingender raw, crude and moiſt humours. It is now excellent good to riſe early, and to exerciſe the Body with moderate walking. In *July* beware of bleeding or purging, unleſs there be great neceſſity; beware alſo of eating ſuch Meats as ingender Melancholly, and of taking cold. In this and the next Month refrain immoderate exerciſe and Venery; and drink not much Wine; for now it dryes the Stomach and Liver, and doth too much increaſe Choler.

Of Autumn.

THis Quarter begins the 12th day of *September*, 6 hours, 40 minutes, 27 ſeconds, Afternoon, the Earth then entring *Aries*, or the Sun *Libra*, again maketh equal day and night. This Quarter is naturally cold and dry reſembling Melancholly; Youth is now lively, perſons of moiſt and phlegmatick conſtitutions are now beſt in health, the Melancholly the contrary. In *September* eat moderately of all ſuch Meats and Fruits as your Stomach deſires, for they are now in their vigour and perfection. In this Month, or the next, you may bleed or purge, if there be occaſion; but in *November* Melancholly increaſeth, and blood decreaſeth: bathing now is not good; ſalt or powdered Meats may now be eaten without prejudice. Roaſted Meats and wild Fowl are now held to be very wholſome. In this Quarter beware of taking cold.

Of Winter.

WInter Quarter this Year begins the 11th day of *December*, 6 hours, 53 min. 50 ſeconds in the morning, the Sun then entring *Capricorn*, maketh our ſhorteſt day and longeſt night. This Quarter naturally is cold and moiſt, young and cholerick people are now beſt in Health, but aged and phlegmatick the contrary. In *December* Melancholly and Phlegm do much increaſe; it therefore behoves all perſons that value their Healths, to keep themſelves well from cold, and to eat ſuch Meats as be of a hot quality. 'Tis not now good to bleed or purge, unleſs there be great occaſion; to drink Wine now and then, and to uſe good Spices in your Diet is very good; the ſame obſerve in *January*. In *February* all Meats of a moiſt nature are accounted hurtful; you may take Pills to purge the head, alſo bathe or take potions, and bleed now if there be occaſion.

To find the Riſing, Southing and Setting, of ſeveral fixed Stars hereafter mentioned.

IN the Tables following you have firſt the ſeven Stars Southing for every fifth day: in the ſecond Table is ſet the difference betwixt the Southing of thoſe Stars therein named, and the ſeven Stars, which being added to the time of the ſeven Stars Southing,

giveth theirs. In the same Table is also set their semidiurnal Arches thereby to find the rising and setting of the said Stars. Suppose it is required to know what time the great Dog-star called *Syrius* will be South the 11th. of *February*? I then find the Seven Stars South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference annexed to the great Dog-Star, and it makes 8 ho. 12 min. being the time of its Southing the said 11th. of *February*. If to the Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives the time of its setting at 12 ho. 43 min. but if you substract the Semi-diurnal Arch from the Southing it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes, The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferiour in light, and bigness are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter mentioned, Note, that the great Dog-star, Lions Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Ass*, which are small Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1694.

Moneths	Dayes of the Moneth. 1		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 12
February	5	A 49	5	29	5	10	4	51	4	32	4	14
March	4	A 0	3	41	3	23	3	4	2	46	2	28
April	2	A 7	1	48	1	30	1	11	0	52	0	32
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 8	9	47	9	26	9	6	8	45	8	25
July	8	M 5	7	45	7	24	7	4	6	45	6	25
August	6	M 3	5	45	5	26	5	8	4	49	4	31
September	4	M 10	3	52	3	34	3	17	3	0	2	41
October	2	M 22	2	3	1	44	1	25	1	5	0	46
November	0	M 22	0	2	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 49	9	26	9	4	8	41	8	20

A Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

Names of the Stars.	Diff. south.	Semid. Arches	Names of the Stars.	Diff. south.	Semid. Arches
	h. m.	h. m.		h. m.	h. m.
Aldebaran B.eye	0 49	7 28	Lions heart, Basil.	6 23	7 13
2d.in Orions Girdle	1 51	5 54	Virgins Spike	9 40	5 9
Gr. Dog. Syrius	3 2	4 31	Arcturus	10 32	8 0
Castor 1st.head ♊	3 46	9 47	South ballance	11 54	4 40
Lit.Dog.Procyon	3 54	6 32	North ballance	11 31	5 16
Pollux,2d.head ♊	3 57	9 4	Northern Crown	11 52	8 55
Northern Ass.	4 56	8 12	bright ✻ Lyræ	14 57	sets not
Southern Ass.	4 58	7 49	bright ✻ Vulturis	16 6	6. 42

Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.

FOr the Mensuration of superficial or flat measures, such as Board, Glass, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parellelogram, Triangle, Circle, parts of the Circle, *&c.* examples of all which do here follow.

I. *How to measure a Square.*

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter. See the Margin.

66
66
396
396
4356
4356
144
(30
432
36

II. To

II. *To measure the Long-square or Parallelogram.*

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

72
12
144
72
864

III. *To Measure a Long Superficies, which is broader at one end than at the other.*

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

72
42
144
288
3024
144
288 (21
144

IV. *How to Measure Triangles.*

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All *Trapezias*, or Figures with four unequal sides; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. *How to measure Circles, and parts of Circles.*

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore the

the Diameter being given to find the circumference, you muſt multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, ſuppoſe the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whoſe Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide by 22. and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and $\frac{2}{22}$ or $\frac{1}{11}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19 $\frac{2}{22}$, the half whereof is $9\frac{12}{22}$, by which multiplying 30, the product will be $286\frac{4}{11}$ which is the ſuperficial content of ſuch a Circle; or,

By the Diameter to find the Area of the circle. Firſt, ſquare the Diameter, multiply the ſquare by 11, and divide the product by 14. the Quotient is the ſuperficial content of the circle.

Let the Diameter be as above $19\frac{1}{11}$ the ſquare whereof is $364\frac{56}{121}$ this multiplied by 11 produceth $4009\frac{1}{11}$ which being divided by 14 the Quotient is $286\frac{4}{11}$ as above, being the ſuperficial content of ſuch a circle.

To meaſure the ſuperficial content of half the circle, the quarter of a circle, or of any other ſection of a circle, more or leſs, having the ſemidiameter given.

Multiply half of the compaſs thereof by the ſemidiameter of the circle, ſo ſhall you have the content.

Of the Menſuration of Solids.

AS Plain or Superficial Meaſure conſiſteth of two dimenſions, namely, length and breadth; ſo Solid meaſures conſiſteth of three dimenſions, namely, length, breadth and thickneſs.

To meaſure any kind of Timber, either Square, Triangular, Round, or of any other Faſhion, provided it be ſtraight and equal all along.

Caſt up the ſuperficial Content at the end thereof, by the Rules before going, for the finding the Content of the Square, Triangle, Circle, *&c.* which Superficial Content being multiplyed,

plyed by the length of the Piece, will give you the Solid Co tent thereof. *Example.* Let there be a piece of Timber, (other ſolid matter) whoſe breadth is 18 inches, its depth 1 Inches, and length 142 inches, to find how many ſo d feet contained therein. Firſt, multiply the breadth 18 by the dep 13, the product is 234, being the ſuperficial inches at the e of the piece. Secondly, multiply this 234 by 142 the leng of the piece, and the product will be 33228, the ſolid Conte in inches. Thirdly, divide 33228 by 1728, (being the number cubical inches in one ſolid foot) and the quotient will be 19, an 396 inches remaining, which is 19 ſolid feet, and almoſt on quarter of a foot, and ſo much is the ſolid content of ſuch a piec

A 2d Example of a round piece. Let there be a round piece Timber whoſe compaſs is 60 inches, and the length 20 feet, (o 240 inches) and let it be required to find the ſolid conte thereof. Firſt, by the help of the circumference 60, find the Diame ter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, ſo ſhall you find the Diameter to be $19\frac{1}{11}$. Then by either of the ways before taught, *viz.* by multiplying the circumference by $\frac{1}{2}$ the Diameter; or by (ſquaring, or) mul tiplying the Diameter in it ſelf, and multiplying that ſquare by 11, and dividing the product by 14, the ſuperficial content of the end of ſuch a piece will be found to be $286\frac{4}{11}$ inches. Now mul ply this $286\frac{4}{11}$ by the length of the piece 240, and the produ will be $68727\frac{3}{11}$ the content in inches, which being divided by 1728, the quotient will be 39 feet, and $\frac{3}{4}$ of a foot, and $39\frac{3}{11}$ inch remaining, which is the ſolid content of ſuch a piece of Timber. But had this piece of Timber been meaſured by that egregiouſly falſe way of taking $\frac{1}{4}$ part of the Girt for the ſide of the ſquare e qual, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot, which is above $\frac{1}{5}$ part leſs than the truth, it being 39 feet, & above $\frac{1}{2}$.

In behalf of that erroneous way many do plead, that in round Timber there is great loſs in chipping to bring it near a ſquare, therefore that way may be allowed; but this is very unequal: in great Timber there being little loſs, in ſmall Timber much, let therefore the quality be conſidered, rather than make ſuch unequal amends by a falſe quantity.

Of the Menſuration of Tapering Timber, either round or ſquared, ſuch as Fruſtums of Cones and Pyramids.

FIrſt find the ſuperficial Area of each end of the piece, and multiplie the one Area by the other. Secondly, out of the

the product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the lesser end will be 154: These multiplyed together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplyed in it self produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be $731\frac{1}{2}$. Lastly, multiply $731\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which Inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

To find the Content of Tapering Timber, other wayes than is taught above.

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being substracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, as the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whose greater end is 66 inches about, and the lesser end 44; hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, if 7 give 20 feet what will 21 give; Answer, 60 feet, being the whole length of the Cone; now the superficial

contents

content of the Base of this Cone, (being 346½ inches) multiplyed by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154, being multiplyed by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being substracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along: Their use is thus, seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches, and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid foot of any Square Stone or Timber: The side of the Square being given in inches, from one inch to 26 inches square.

Side of the Square.	Length of a solid foot.			Side of the Square.	Length of a solid foot.		Side of the Square.	Length of a solid foot.	
Inch.	Fe.	Inc.	10ths	Inch.	Inc.	10th.	Inch.	Inc.	10th.
1	144	0	0	13	10	2	25	2	8
2	36	0	0	14	8	8	26	2	6
3	16	0	0	15	7	6	27	2	3
4	9	0	0	16	6	7	28	2	2
5	5	9	2	17	5	9	29	2	1
6	4	0	0	18	5	3	30	1	9
7	2	11	2	19	4	8	31	1	8
8	2	3	0	20	4	3	32	1	7
9	1	9	3	21	3	9	33	1	6
10	1	5	3	22	3	5	34	1	5
11	1	2	3	23	3	3	35	1	4
12	1	0	0	24	3	0	36	1	3

A Tabl

A Table shewing how many inches in length will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compass to 100.

Com.	len. of a foot		Com.	len. of a foot		Com.	len. of a foot	
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	76
17	75	14	47	9	83	77	3	66
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	42	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	74
30	24	13	60	6	03	90	2	68
31	22	60	61	5	84	91	2	62
32	21	21	62	5	65	92	2	57
33	19	92	63	5	47	93	2	51
34	18	78	64	5	30	94	2	46
35	17	74	65	5	14	95	2	41
36	16	76	66	4	98	96	2	36
37	15	86	67	4	84	97	2	31
38	15	04	68	4	70	98	2	26
39	14	28	69	4	56	99	2	22
40	13	57	70	4	43	100	2	17

Ad-

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From *Ouſton* in the County of *Leiceſter*. *Sept.* 30. 1693.

FINIS.